பொங்கல் கொண்டாட்டம்

St. JOSEPH'S

COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. JOSEPH'S GROUP OF INSTITUTIONS

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St. JOSEPH'S COLLEGE OF ENGINEERING

CHENNAI - 600 119

You Choose, We Do It

St. JOSEPH'S GROUP OF INSTITUTIONS

31 Years of Excellence

★ Since 1994 ★

CONTENTS

ABOUT THE COLLEGE

○ St. Joseph's College of Engineering is having 30 years of successful academic reputation offering 11 UG programs and 3 PG programs with a current intake of more than 1750 students per year.

○ Since inception, our Institution is consistently placed among the Top 10 institutions in terms of number of ranks. So far 1553 ranks including 57 Gold medals and 56 Silver medals have been secured by students. The college has been in 1st Place for 4 times in terms of fetching highest numbers of Anna University ranks.

○ The College is continuously being ranked by in National Institutional Ranking Framework (NIRF) since 2017 and ranked in '101 – 150 band' at National Institutional Ranking Framework under Innovation category (NIRF- Innovation 2023).

○ Accredited with A+ grade by securing 3.46 on a scale of 4.00 by National Assessment and Accreditation Council (NAAC).

○ 10 departments have been recognized as 'Research Centers' by Anna University to pursue Ph.D. and also recognized as 'Scientific and Industrial Research Organization' (SIRO) since 2014 by DSIR, Government of India.

○ Our institution has received 2nd Rank in Performers band of NSIIR 2023 (National Sustainability Impact Institutions Ranking) organized by NITI AAYOG & ATAL Innovation Mission for our initiatives in support United Nation's Sustainable Development Goals.

○ Our research publications have resulted in fetching Scopus h-index 67 and Web of Science h-index 59 for our institution.

○ Our institution is the recognized 'Linguaskill Centre' for Cambridge English Assessment in India & one among 25 South Asia Best Preparatory Centers for Business English Certification (BEC).

○ So far 57 Sponsored Research Projects to the value of Rs. 5.04 Crores and 48 Faculty Training Programs with a grant of Rs.71.51 lakhs and FIST grant of Rs.71 Lakhs were received from AICTE, NRB, DST, SERB, DBT, NRDMS, ISRO, TNSCST & Anna University etc.

○ INAE Innovative Project Awards (21 Projects) were bagged by our students for their innovative projects.

ABOUT THE COLLEGE

- Our Institution is selected under the National level **"Unnat Bharath Abyan Programme"** by MHRD Government of India and Skill and Personality Development program Centre (SPDP) for SC/ST by AICTE, and received a grant of Rs.17 lakhs grant under **PMKVY program.**

- Won First **AICTE-ECI Chhatra Vishwakarma award** in 2017 as a Best Institute at National level.

- Won 1st position in **"Utkrisht Sansthan Vishwakarma Award"**, 2020 by AICTE in association with Ministry of Human Resource and Development (MHRD).

- Secured **AICTE-Lilavati Awards** in 2021 and 2022: Winner under the stream of Women Security, Runner under Hygiene and Sanitation themes in 2021 and Runner in Women Empowerment 2022.

- College has secured 4star rating for the activities carried out in the campus by **Institution's Innovation Council (IIC).** In 2023 the college has received 4 project grants worth of **Rs.56 Lakhs** for **Business incubation** by **MSME**, MOE, & Government of India

- Consistently our students are securing winning positions in National Level Innovative idea competitions such as **AICTE Smart India Hackathon** in Hardware and software, Toycathon, Mapathon etc.

- We have Secured 58th Rank by **Internshala Annual Ranking** 2023 and our Institution is consistently awarded **"National Employability Award"** every year since 2017 by Aspiring Minds.

- Our college is recognized as **India's Best Engineering Institute 2023** with AAAA rating by Careers 360 organization.

- Our Institution is listed in **India Book of Records** for hosting National Level FDP on Cloud Infrastructure organized by BRAIN O VISION, and supported by AICTE, Ministry of Education, Govt. of India.

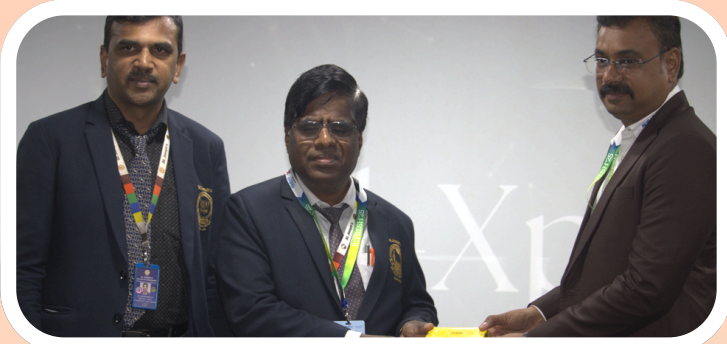PONGAL CELEBRATIONS

Pongal Celebrations

பொங்கல் சங்கமம் 2025

St. JOSEPH'S

Pongal Festival

REFRESH'25

ISHRAE SJCE

REFRESH-25 is a premier technical symposium that brings together professionals, students, and enthusiasts in the HVAC domain. Organized with the purpose of fostering innovation and collaboration, this event serves as a platform to explore advancements in Heating, Ventilation, and Air Conditioning technologies. The symposium featured a diverse agenda, including technical quizzes, poster design competitions, and spontaneous speaking challenges, as well as a specialized workshop on "Automation in HVAC with IoT."

These activities were designed to inspire creativity, enhance technical expertise, and encourage networking among participants. This remarkable event was made possible through the collaboration of the ISHRAE Chennai Chapter and ISHRAE SJCE, whose combined efforts have set a benchmark for technical symposia in the region.

Workshop on Industrial Automation

The ED Cell, Optica, and Pumo Technovations jointly organized an Industrial Automation workshop on 7th January 2025 for II-year ECE students. Mr. E. Nikilan, an Automation Engineer, guided students through the latest trends in industrial automation, including sensor integration and control systems.

NIELIT Boocamp

NIELIT's 5-day blended bootcamp for pre-final year students of ECE department focuses on emerging technologies. Students will gain foundational knowledge in IoT, including hardware interfacing and sensor integration with Raspberry Pi. They will also learn to design and implement RPA solutions, enabling them to automate tasks and improve efficiency. This program equips students with valuable skills in these rapidly growing fields.

Workshop

The Department of Mechanical Engineering, in collaboration with the AICTE Idea Lab, conducted a two-day workshop titled "Master Autodesk Fusion 360 and 3D Printing" on January 9-10, 2025, for second-year Mechanical Engineering students. The workshop was given by Assistant Professors Mr. N. Sathishkumar and Mr. M. Siva, who shared insights from their *AICTE QIP PG certification program on 3D printing at IIT Palakkad*.

Boot Camp_Mechanical

Bootcamp for 3D Printing Course was conducted in partnering with EEE Department, 44 Mechanical students participated and have been successfully completed, they submitted assignments & those who cleared the final test would be receiving a Certificate from the NIELIT Chennai

Boot Camp_EEE

The Department of Electrical and Electronics Engineering, in association with NIELIT-Future Skills, organized the PRIME Bootcamp on Emerging Technologies, focusing on the Internet of Things (IoT), Robotic Process Automation (RPA), and 3DPAM for various engineering departments in our college. The bootcamp was funded by the Ministry of Electronics and Information Technology.

The event, centered on IoT, RPA, and 3DPAM, received an overwhelming response from students. Over the course of five days, it provided participants with extensive hands-on training and valuable knowledge in emerging technologies.
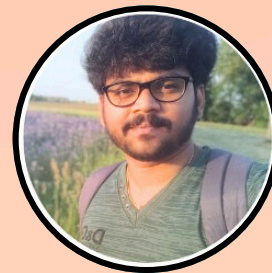
Alumni Talk

Department of Biotechnology 2024 passed out students Ms. Sujitha B, Mukesh M and Rohith R has interacted with II year students and shared their Higher studies and placement experience.

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ELECTRIFYING MOBILITY ROLE OF ELECTRICAL ENGINEERS IN AUTOMOTIVE SYSTEMS AND FUTURE TRENDS held on 06/01/2025.

Mr. SAKTHISH PETHANESH NAGARAJAN
Product Software developer (Electrical Drives)
Robert Bosch GmbH, Germany
BATCH 2010-2014

Mr. SURESH BABU MUNIRATHINAM
Senior Team Leader,
Valeo India Private Limited,
BATCH 2010-2014

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Department of computer science and engineering has organised "ALUMINI TALK" for "III-YEAR" students on 10.01.2025 . Speaker "Mr Gokul Arumugam chitra" from batch 2018 -2022 , who has been working as "Associate Business Analyst" , has given tremendous way to enrich the students skills.

NGO Activity

On 09th January 2025, students from III year ECE department engaged in community service at different NGOs. They have visited Kaikoduppom Trust in Kovilambakkam,Holy Heart Home Mission Trust in Avadi and Love care centre in Alwarpet where they share the love and food with them,returning with a renewed sense of purpose and a deeper understanding of social responsibility.

Department of Biotechnology III year students have visited Vishranthi Home for Aged Destitute Women, Palavakkam on 04/01/2025.

Staff Achievements

1 **Dr. P. Saravanan**, Associate Professor in the Department of Science, has authored a **research article** titled **"Carbon-Supported Photocatalytic Sponges for CO2 Reduction and H2 Production: Synthesis, Properties, Future Directions."** The article was published in Materials Chemistry and Physics (Impact Factor: 4.6) in January 2024. DOI: https://doi.org/10.1016/j.matchemphys.2025.130376.

2 **Dr. P. Saravanan**, Associate Professor in the Department of Science, has authored a **research article** titled **"Multifunctional Nitrogen-Doped Carbon Nanodots: A New Paradigm in Anticounterfeiting and Fingerprint Forensics Imaging."** The article was published in Waste and Biomass Valorization (Impact Factor: 2.6) in January 2024. DOI: https://doi.org/10.1007/s12649-024-02877-7.

3 **Dr. P. Saravanan**, Associate Professor in the Department of Science, has authored a research article titled **"Fluorescent N-Doped Carbon Dots as a Biocompatible Sensor for Thiophanate-Methyl Detection"** The article was published in Journal of Fluorescence (Impact Factor: 2.88) in January 2024. DOI: https://doi.org/10.1007/s10895-024-04095-9

4 **Dr. J. Sharmila**, Assistant Professor in the Department of Science, has been recognized for the publication of her textbook titled **"Engineering Chemistry."** The first edition was published by Scientific International Publishing House with ISBN: 978-93-6674-268-7.

5 **Dr. J. Sharmila**, Assistant Professor in the Department of Science, has been recognized for the publication of her textbook titled **"Engineering Chemistry."** The first edition was published by Scientific International Publishing House with ISBN: 978-93-6674-268-7.

Staff Achievements

6 **Dr. Menaga A. and Dr. Indumathi G.S.** from the MBA Department of St. Joseph's College of Engineering actively participated in a Five-Day Faculty Development Program on **"Revitalizing Educators' Research Capabilities to Empower Management Scholars."** The program was organized by the SSN School of Management from January 6 to January 10, 2025.

7 **Mr.M.Subramanian,** Assistant PRofessor from Department of Mechanical Engineering has **published a paper** titled **"Wood Species Classification Using Prototypical Networks- A Few shot Learning Model"** in Journal of Indian Academy of Wood Science - Springer Publication - ESCI and Scopus Indexed

8 **Mr.M.Subramanian** and **Mr.T.Balasubramanian** Assistant Professors from Department of Mechanical Engineering has **published a paper titled "Optimization of WEDM Parameters for AZ91D Magnesium biomaterial: A GRA-GA Hybrid Approach"** in Proceedings of Institution of Engineers- Journal of Mechanical Engineering Science - SAGE Publication - SCIE Indexed.

9 **Mr. KMB. Karthikeyan**, Assistant Professor from Department of Mechaniical Engineeriing has published a patent titled " **A Method and System for Electric Power Demand Management and Energy Conservation Using Predicted Electric Power Profile**" Application no: 202441100643.

10 **Dr. B. Uma Maheswari** from Department of computer science and engineering, St. Joseph's College of Engineering, Chennai, Tamil Nadu participated in *ACM INDIA* chapter summit 2023 , a two days event organised by BMS College of Engineering and RV College of Engineering, Bengaluru from 20.12.2024 to 21.12.2024.

Staff Achievements

(11) **Dr. R. Hemalatha** **from Department of computer science and engineering, St. Joseph's College of Engineering, Chennai, Tamil Nadu participated in *ACM INDIA* chapter summit 2023 , a two days event organised by BMS College of Engineering and RV College of Engineering, Bengaluru from 20.12.2024 to 21.12.2024.**

S. Aravinth, Assistant Professor from the Department of MBA, St. Joseph's College of Engineering, Chennai, has been honored with the prestigious "Best Faculty Award" by the Scientific International Publishing House on December 30, 2024.

Department of computer science and engineering proudly present, "Dr Chandrashekar.A" has successfully guided his "40th" Phd scholar "Ms Divya.J" in completing her Doctorate on 10.01.2025, with his incredible motivation and mentorship.

Chennai, Tamil Nadu, India
St. Joseph's College of Engineering, Kamaraj Nagar, Semmancheri, Chennai, Semmanjeri, Tamil Nadu 600119, India
Lat 12.870897° Long 80.216984°

We the Department of computer science and engineering proudly present, "Dr Chandrashekar.A" has successfully guided his "41st " Phd scholar "Ms Janani" in completing her Doctorate on 10.01.2025, with his incredible motivation and mentorship.

Chennai, Tamil Nadu, India
St. Joseph's College of Engineering, Kamaraj Nagar, Semmancheri, Chennai, Semmanjeri, Tamil Nadu 600119, India

Staff Achievements

On January 10, 2025, Mrs. Thendral N, a Part-Time External Research Scholar, successfully defended her thesis during her viva voce exam. The thesis, supervised by Dr. D Lakshmi, Associate Professor, Department of ECE focused on the application of Machine Learning (ML) and Deep Learning (DL) techniques for developing computer-aided diagnosis systems aimed at cervical cancer classification using colposcopy images.

Mr. M. Lingeswaran Participated in Faculty Development Program on Current Trends and Future Evaluation in Telecom on from Jan 8 -10 2025 at Nokia, Chennai

Dr. P. Latha, Associate Professor in the Department of ECE, attended the VLSI Design Conference 2025 held at Leela Palace, Bangalore, on 4th and 5th January 2025. The event featured insightful sessions, inspiring speakers, and excellent networking opportunities.

Student Achievements

III year Biotechnology students Ms. Bhavasri S, Krithika V and Mayuri Aravind has participated and received IInd prize with 5000 cash award in the Biogenius challenge conducted by Indian Institute of Madras on 06/01/2025.

Vidhyuth N Rathi, batch (2022-2026) from Department of computer science and engineering, St. Joseph's College of Engineering, Chennai, Tamil Nadu participated in *ACM INDIA* chapter summit 2023 , a two days event organised by BMS College of Engineering and RV College of Engineering, Bengaluru from 20.12.2024 to 21.12.2024.

Shrinidhi, batch (2022-2026) from Department of computer science and engineering,St. Joseph's College of Engineering, Chennai, Tamil Nadu participated in *ACM INDIA* chapter summit 2023 , a two days event organised by BMS College of Engineering and RV College of Engineering, Bengaluru from 20.12.2024 to 21.12.2024.

Student Achievements

Ms. Bhuvaneshwari N of II CSE A has completed the Certificate of Merit (Silver) from E-Cell, IIT Bombay, for successfully completing the Campus Ambassador Internship Program. She is currently ranked 19th on the leaderboard among all campus ambassadors in India.