HONOURING ACHIEVEMENTS
INSPIRING GREATNESS !!!

STAFF REWARDS

Rs. 32.49 Lakh

JUNE TO AUGUST 2024

St. JOSEPH'S

COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. JOSEPH'S GROUP OF INSTITUTIONS

OMR, CHENNAI – 119

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.

ATAL FDP

Two Weeks

AICTE Sponsored ATAL Advanced Faculty Development Programme

on

Unlocking the Potential of AI: Journey from Transformer Models to Gen AI, Applications from Industry to Space , and the Evolving Threat Landscape

The Department of Electronics and Communication Engineering hosted a two-week AICTE Sponsored ATAL Advanced Faculty Development Programme on "Unlocking the Potential of AI: Journey from Transformer Models to Gen AI, Applications from Industry to Space, and the Evolving Threat Landscape." The programme delved into the latest advancements in Artificial Intelligence, focusing on transformer models and generative AI, while exploring their broad applications across various industries, including space, and addressing the emerging AI-driven threat landscape. Esteemed chief guests, Dr. P. Vanaja Ranjan, Director of the Centre for Faculty Development and Professor in the Dept of EEE at Anna University, along with Dr. Vandita Srivastava, Scientist SG and Head of the Dept of Geo-Informatics at ISRO, IIRS, Dehradun, Uttarakhand, led the event on 14th October 2024
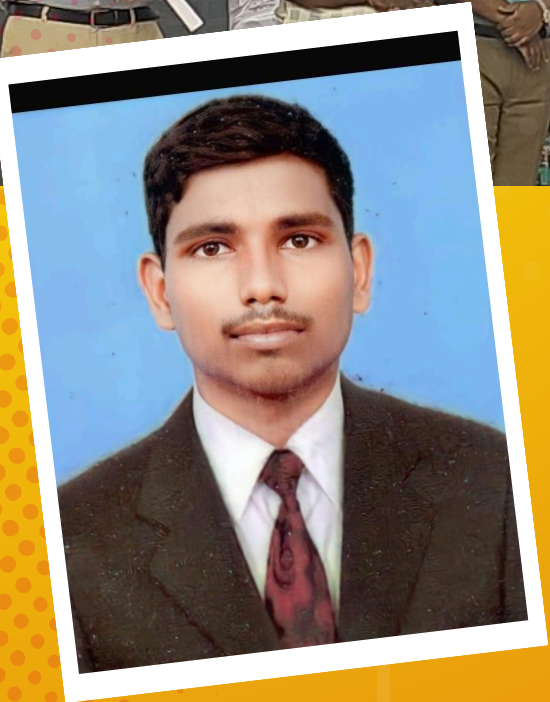
Guest Lecture

Mr. Senthil Kumar Murugesan, Technical Training Director, and Ms. Kavitha, Senior Unity Developer and Trainer at VyVoxel, gave an insightful guest lecture to second-year IT students. Their presentation focused on how AI is shaping the future of technology and offered valuable perspectives on creating effective UI designs for optimal user experiences.

Mr.Sam Daniel

Mr.Lewyn D

Student Hackathon Winners

We are thrilled to announce that II-year Chemical Engineering students Mr. Sam Daniel and Mr. Lewyn D from St. Joseph's College of Engineering, Chennai, have won First Prize at CHEMINNOTHON'24, a prestigious hackathon organized by Sri Venkateswara College of Engineering in association with AIChE and IIChE. Mentored by Dr. S. Vinod Kumar, the students competed against teams from 65 colleges, impressing the judges with their innovative solutions and securing a cash prize of ₹10,000. This achievement highlights the talent and dedication of our students and the department's commitment to fostering technical excellence.

Student Chapter Activity

Department of Mechanical engineering organized a technical Event sponsered by Bureau of Indian Standard(BIS) A Govt of India Intiative on 14/10/2024, four event were conducted and four positions were felecitated with cash prizes. The event was inaugurated by Dr. N. Arunkumar, Dean of IC&IQAC, and Dr. L. Balamurugan, Head of the Mechanical Department. The Standards Club of St.Joseph's College of Engineering's BIS Club Mentor, Mr. KMB. Karthikeyan, oversaw the event. Mr. K. Gnanasekaran, the mentor, gave the students instructions to the students for the planned technical. The valedictory function was presided over by Er G. Saravanan BE MBA M.Sc. (PMV) FIE FIV FIIPE C Engg(I), Chief General Manager, ITCOT Limited, a Joint Venture of IFCI, SIPCOT, TIIC, SIDCO Banks.

Alumni Talk

The Department of Chemical Engineering at St. Joseph's College of Engineering hosted an alumni interaction session on October 21, 2024, featuring Mr. Akash Vijayaraghavan Ramesh, a 2015-2019 batch alumnus and Graduate Research Associate at the University of Calgary. Mr. Akash shared insights on "Research Opportunities in Foreign Countries," guiding final-year students on applying for research roles abroad, securing scholarships, and building strong academic portfolios. He highlighted the significance of global collaboration in Chemical Engineering and encouraged students to pursue international opportunities.

Workshop

Event: Two-Day Hands-on Training on Open Source GIS Tools for Civil Engineers, Dates: 17th & 18th October 2024, Resource Person: Mr. R.T. Ezhil Thalapathi, M.Tech, CEO & Founder, ETA Geospatial Solutions. The aim of the workshop was to introduce final-year civil engineering students to open-source GIS tools and their applications in civil engineering projects. Participants gained hands-on experience using tools to analyze spatial data and integrate GIS with civil engineering workflows.

Staff Achievements

1 Dr. P. Saravanan from the Department of Chemistry has authored three research articles. The first article, titled "Enhancing Diesel Production from Waste Plastics: A Study on Pd/MCM-48 Catalytic Hydroprocessing," was published in the journal Fuel Processing Technology (ELSEVIER). The second article is titled "Synthesis of Aluminum Oxide (Al_2O_3) Nanoparticles Decorated with Polymeric Carbon (Al_2O_3/AC) Nanocomposites for High Specific Capacitance Value," and it appears in the journal Polymers for Advanced Technologies (WILEY). The third article, "Time-Dependent Hydrothermal Synthesis of La_2O_3 NPs for Effective Catalytic Activity of Ionic Dye," was published in the journal LUMINESCENCE (WILEY).

2 Dr. P. Saravanan from the Department of Chemistry has contributed a book chapter entitled "Integrating Global Practitioner Research Methodologies in the NBA: Enhancing Performance and Innovations," which is the 15th chapter published by IGI Global. The chapter can be accessed via DOI: 10.4018/979-8-3693-3587-1.ch015.

3 "Ms. Raghi K. R" Assistant professor from Department of computer science and engineering has published Indian Patent on 04/10/2024 in the title called "IOT AND MACHINE LEARNING TECHNOLOGIES FOR EFFECTIVE ENVIRONMENTAL POLLUTION MANAGEMENT".

4 "Mr K. RAJKUMAR" Assistant professor from Department of computer science and engineering uas Published Indian Patent on 04/10/2024 in the title Called Enhancing Agricultural Productivity with IOT,AI,AND ML: A Smart Approach to crop monitoring".

5 Dr.S.Vinod Kumar, Associate Professor, Department of Chemical Engineering has published a patent on " A Blockchain-Based Cloud Storage system with encrypted data retrieval"

6 Dr. N. Magesh, Assistant Professor in the Department of Chemical Engineering, has successfully completed an 8-module Coursera course titled "Introduction to Sustainability." This course enhances his knowledge in sustainable practices, aligning with global efforts toward environmental preservation and sustainable development.

7 Dr. N. Venkatesh, Head of Chemical Engineering, was awarded a Presentation Certificate for his research on "Antimicrobial Properties of Sophorolipids from *Starmerella bombicola* MTCC" at the **International Conference on Sustainable Waste Management** organized by the University of Engineering and Management, Kolkata.

8 S.AGHALYA has published a patent titled " Wearable IOT Bands for stress regulation with Adaptive machine learning techniques".

Staff Achievements

9 — GD VIGNESH has successfully completed 4 weeks NPTEL course on Basics of SDR and its Applications .

10 — Mrs.S.Devipriya has published a patent titled "SYSTEM AND METHODFOR BLOCK-CHAIN BASED CREDIBILITY VERIFICATION OF INTERNET OF THINGS (IOT) ENTITIES"

11 — Mrs P.Elaveni has published a patent titled "EDGE COMPUTING PLATFORM FOR LOW-LATENCY IOT APPLICATIONS".

The Daily Newspaper has published an article in both Tamil (Dinamani) and English (Trinity Mirror) by Ms. Shelonitta, Assistant Professor in the Department of Mathematics and English.

Staff Achievements

Department of Mechanical Engineering proudly announces Mr. Muninathan K was the technical official for Chief Minister Trophy State Level Championship held at KHELO India ground, Jawarlal Nehru Stadium, Chennai from 14.10.2024 to 20.10.2024.

Staff Achievements

Dr. Menaga, Dr. Karuppiah, and Dr. Balamurgan have successfully completed the Faculty Development Programme (FDP) on "Modern Teaching Methods, Cultivation of Research Excellence and Business Insights (MTMCREBI-2024)" from September 23, 2024, to September 28, 2024. The event was organized by the Department of Commerce, St. Peter's Institute of Higher Education and Research, Avadi, Chennai. This program aimed to enhance skills in modern teaching approaches and foster research excellence, providing valuable insights into business practices.

Dr. S. Vinod Kumar, Associate Professor in the Department of Chemical Engineering, has received his FDP certificate for participating in a six-day Faculty Development Programme on "Techniques for Advancing Medical Data Processing and Health Care" held at St. Joseph's College of Engineering, Chennai.

Staff Achievements

Department of Computer Science and Engineering, happy to share that our faculty "Mr Vinu" has successfully completed his Viva Voice on 18.10.2024 under the guidance of Dr.Diwan. we whole heartedly congratulate his hardwork and his dedication.

Dr. N. Magesh, Dr. S. Sujatha, and Dr. R. Sivaranjanee, Assistant Professors in the Department of Chemical Engineering, received their certificates for attending a six-day Faculty Development Programme on "Green Hydrogen: Innovations in Sustainable Production Techniques for a Zero Carbon Future." The program was organized by Excel Engineering College, Erode.

Student Achievement

A Team of Third Year Students from the Department of Artificial Intelligence and Data Science and Second Year Student from the Department of Master Of Business Administration have won the First Prize with cash reward of Rs. 10000 in Internal Software Hackathon - Innothon '24.

Team Name: Billiance

Team Members:

Ms. Hamsa Vardhini - III ADS,

Mr. Jude Allen -III ADS,

Ms. Dharunika - III ADS,

Mr. Vaikunda Mani - II Year MBA Integrated ,

Problem Statement: AI Powered Shoplift Detection and Alert System

Student Achievement

Department of EIE Fourth year students won **THIRD PRIZE** in "NEXTRONIX '24" – A 24 Hours Hardware Hackathon held on 18 & 19 October 2024, organised by St. Joseph's College of Engineering. Team members: **JAYASRUTHI S, ARUN KUMAR K, SURYA KUMAR R** and **VISHNU VARSHAN A.** Problem statement: Revolutionizing Swimming Training with IoT-Powered Touch Pad Timing. Mentors: **Dr.S.Meena & Dr.B.Senthil Kumar.**

The value-added course for the 2nd-year MBA students HAD HAPPENED which includes advanced stock market classes for Finance students, Digital Marketing for Marketing students, and CII staff-led sessions for Operations students. Let me know if you need further details or assistance! and MBA 1st year students had the value added course on Communication skill.

Student Achievement

Ms. Mahatishri J, Third year student from the Department of Artificial Intelligence and Data Science has been chosen as Campus Ambassador for the MyGov Campus Ambassador Program.

Mr. Adhitya S, Third year student from the Department of Artificial Intelligence and Data Science has been chosen as Campus Ambassador for the MyGov Campus Ambassador Program.

Congratulations to Hariharan SP, Aravinth J, and Maneesh V of 3rd year ECE on their impressive achievement of winning the Cash prize of Rs. 7000 at NEXTRONIX '24 Internal Hardware Hackathon! Their project on Drone-Based Search and Rescue Operation in Disaster Management, under the guidance of Dr. P. Ezhilarasi and Mr. M. Lingeshwaran, is a testament to their innovative thinking and dedication.

Student Achievement

NPTEL Star: Edith Praiselin P: Edith's outstanding performance in the NPTEL course "Introduction to Machine Learning" course has earned her the prestigious Elite+Gold ranking.

Benita Jael J, Deepika M, Jenefa Joy A B, Mathivathana S R, and **Piriyadarshini K** of final-year ECE students have excelled in the "Introduction to Machine Learning" course on NPTEL, achieving Elite+Silver (75-89%) rankings.

Ajay Kumar.P , final year ECE Student achieved an Elite+Silver (75-89%) ranking in the Sensors Technologies: Physics, Fabrication and Circuits course exam conducted by NPTEL.

THOSHITA FEBBI B, third year ECE student achieved an Elite+Silver (75-89%) ranking in "System Design through Verilog" course exam conducted by NPTEL.

Student Achievement

Department of Electrical & Electronics Engineering
CONGRATULATES NPTEL TOPPER
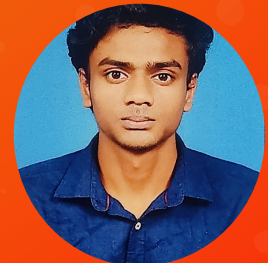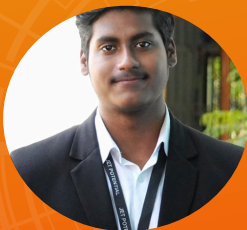### FOR SECURING ELITE WITH GOLD MEDAL

P S AADHI VIGNESHWAR
III YR

COURSE : ROBOTICS

CONSOLIDATED SCORE: 90%

ONLINE ASSIGNMENTS: 23.33/25

PROCTORED EXAM : 66.81/75

FOR SECURING ELITE WITH SILVER MEDAL

JAISON ALEXANDER
IV YR
COURSE : TECHNICAL COMMUNICATION FOR ENGINEERS
CONSOLIDATE:D SCORE -78%
Online Assessments: 22.5/25
Proctored Exam: 55.5/75

JASMINE J
IV YR
COURSE : TECHNICAL COMMUNICATION FOR ENGINEERS
CONSOLIDATE:D SCORE -75%
Online Assessments: 23.33/25
Proctored Exam: 52/75

VISHNU LAXMAN M
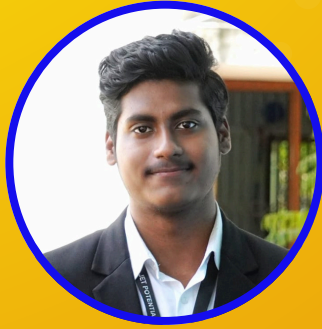**IV YR**
COURSE : PYTHON FOR DATASCIENCE
CONSOLIDATE:D SCORE -75%
Online Assessments: 23.33/25
Proctored Exam: 52/75

Student Achievement

Final Year Students of EEE Department Received Internship offer with a Stipend of Rs.8000/Month

**JAISON ALEXANDER
IV YR**

Junior UAS Engineer - Intern

**JASMINE J
IV YR**

Project Associate Intern

@

FLYNET TECHNOLOGIES PRIVATE LIMITED

Akash R S, 3rd year ECE Department student, has been recognized by LEAD KING TECHNOLOGY for his exceptional skills in UI front-end development. Akash has been awarded a substantial amount of Rs. 38,000 to showcase LEAD KING TECHNOLOGY's products on various websites.
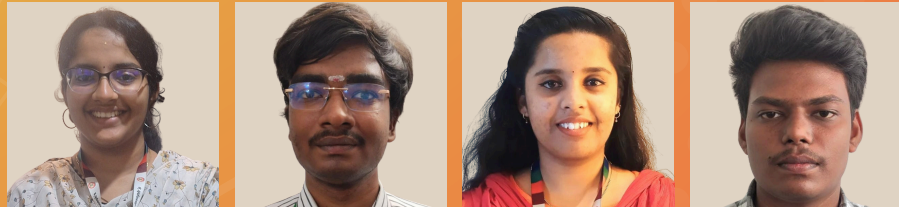
Student Achievement

IITM SHAASTRA AI/ML CHALLENGE - 2

TEAM MEMBERS:
Swetha K - III B, Mokhithraa J - III B
Sahastrajit R - III B
MENTORS:
Ms. M Poornima
Ms. AR Umayal

REWARD OF ₹ 7500/-
per team

TEAM MEMBERS:
Vendhan U - III B, Pavendhan D - III B, Paulin A - III B
Naveen Kumar S - III B
MENTORS:
Dr. S Ancy
Ms. G Thiraviaselvi

TEAM MEMBERS:
Benedict Raymond X - II A, Arnesh R - II A, Arlin Robeiksha
Britto - II A, Gokila Harini S - II A
MENTORS:
Ms. C Quba Jaslin
Ms. N Meena Kumari Bugatha

TEAM MEMBERS:
Mohana R - III B , Prithiv P M - III B, Roshini A - III B
Sanjay J - III B,
MENTORS:
Ms. Bhuvaneshwari
Mr. N Raja Mohamed

TEAM MEMBERS:
Tharukesh SD - III B, Rakshanaa R - III B, Yogesh G - III B
Shruthi M - III B
MENTORS:
Dr. S Anitha
Ms. Kiruba Wesley

TEAM MEMBERS:
Pravin K - III B, Preetham TonyJ - III B,
Bhuvanesh M - III A, Praneesh Roshan P - III B
MENTORS:

Student Achievement

IQmath Technologies Internship Opportunity
Fifteen ECE students from the third year have secured internships as Full Stack Data Analytics Interns at IQmath Technologies. The internship will commence on January 6, 2025, and conclude on April 6, 2025. With a stipend of ₹8,000, this three-month program will provide students with valuable practical experience and the chance to enhance their skills in various tools and technologies while working alongside the experienced team at IQmath.

PLACEMENT NEWS

103+ STUDENTS

127+ CERTIFICATIONS

MEET OUR

MICROSOFT AZURE CERTIFIED PROFESSIONALS!

Microsoft ▲ Azure

Microsoft CERTIFIED	Microsoft CERTIFIED	Microsoft CERTIFIED	Microsoft CERTIFIED	Microsoft CERTIFIED
AZURE AI FUNDAMENTALS ★	AZURE FUNDAMENTALS ★	AZURE DATA FUNDAMENTALS ★	AZURE DATA SCIENTIST ASSOCIATE ★★	AZURE AI ENGINEER ASSOCIATE ★★
AI FUNDAMENTALS	FUNDAMENTALS	DATA FUNDAMENTALS	DATA SCIENTIST	AI ENGINEER ASSOCIATE

Google Developer Groups

On Campus • St. Joseph's College of Engineering

ORGANIZER
Ms. Jenina Angelin D
BATCH : 2021-25

CO-ORGANIZER
Mr. Vigneshwaran J
BATCH : 2022-26

TAMIL NADU STATE LEVEL
POWERLIFTING
WINNERS

SPORTS

ACHIEVEMENTS

ANNA UNIVERSITY ZONAL
BASKETBALL - WINNERS