

# Excelsior

St. JOSEPH'S COLLEGE OF ENGINEERING - WEEKLY NEWSLETTER

## SUPER DREAM PLACEMENT OFFER

CTC  
**Rs.27 Lakh**  
PER ANNUM

 **JUSPAY**



**Ms. LAYA H**  
DEPT OF IT (BATCH : 2021-25)

31+ YEARS AS  
PIONEERS OF EDUCATION OFFERING  
BEST PLACEMENTS TO BEST PEOPLE

# St. JOSEPH'S

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



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## 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 Aayan 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.





# NEPHELE 2.0 INAUGURATION







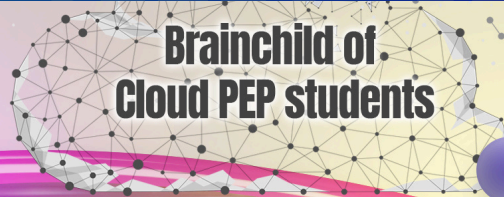
**St. JOSEPH'S**  
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# INDUSTRY ACADEMIA — INTERACTION —

**NEPHELE 2.0**

AI & CLOUD DRIVEN WHEELED ROBOT



NOW

**UPGRADED**



Smart Selfies



Smart Classroom Teaching



Articulate Speech

Automatic Attendance Monitoring



Cutting-edge Visual Recognition



**STUDENT  
COMMUNITY**

Resume App



AI Identification using Fast API & Meta Llama 2





ICTACADEMY®



PRESENTED BY  
**Dr. PTR Palanivel Thiaga Rajan**  
 Hon'ble Minister for Information Technology  
 & Digital Services, Govt. of Tamil Nadu

# ICT ACADEMY CENTRE OF EXCELLENCE FOR DESIGN

AWARDED IN RECOGNITION OF COMPLETION OF ALL PROGRAM REQUIREMENTS

Our college is delighted to have received the ICT Academy Centre of Excellence for Design award at Bridge '24. It is an annual event that brings together academia, industry, and government. Our institution was recognised and appreciated for skill development in Design - powered by Autodesk.

It is our honour to receive the award from Dr. PTR Palanivel Thiaga Rajan, Hon'ble Minister for Information Technology & Digital Services, Government of Tamil Nadu. We express our sincere thanks to the Hon'ble Minister and all the members of ICT Academy and Autodesk for this recognition.





# SKILL ENHANCEMENT PROGRAM



Department of Electrical and Electronics Engineering has organised Skill Enhancement Program for our Final and Pre-Final Year Students from 1st to 8th October, 2024. The Session was held by various industry experts

## MOU



The ECE Department of St. Joseph's College of Engineering is excited to announce a new partnership with Vaayusastra Aerospace, an innovative Ed-Tech startup focused on aeronautics and aerospace. As an IIT-incubated company with recognition from Startup India and ISRO, Vaayusastra Aerospace brings a wealth of expertise to our institution. This collaboration will provide our students with unique opportunities for research, internships, and industry exposure in the exciting field of aerospace engineering.



# INDUSTRY INTERACTION



**Industry-Academia Collaboration: A Successful Visit to Struent Semiconductors !!!**, ECE Department faculties have visited Struent Semiconductors Private Limited in Chennai was a fruitful endeavor to explore potential collaborations between our institution and the semiconductor industry. They made a Productive discussions with Mr. Hiram Prassanna S, Founder and CEO, and Mrs. Anitha Stalin, Chief Operating Officer, regarding potential partnerships. Key topics included aligning our VLSI Design syllabus with industry needs, offering paid internships and training programs to enhance practical skills, and exploring placement opportunities and a potential Memorandum of Understanding (MoU). This visit marked a significant step towards fostering stronger industry-academia connections and preparing our students for future careers in the semiconductor field.



# GUEST LECTURE

Department of Computer Science and Engineering has organised "Expert Talk" on 5.10.2024 in virtual mode with the expert "Dr.S.Gomathi" , head and lead in Atna Technologies India Pvt Ltd on topic called " AI Powered future: How Microsoft Applied Skills can shape your career path".



ECE Department hosted an expert talk on Unmanned Aerial Vehicles (UAVs) on October 4th, 2024. The event, organized by the OPTICA Student Chapter and the Entrepreneurship Development (ED) Cell, featured Mr. G. Jagadeesh Kanna, CEO of Vaayusastra Aerospace, as the guest speaker. Mr. Kanna, a renowned expert in UAV technology, shared his insights on the applications and future of UAVs, providing students with valuable knowledge and practical perspectives.



# GUEST LECTURE



Department of Mechanical Engineering conducted guest lecture on clean air rooms on 30th September 2024 for I and II year students of Mechanical Engineering. Mr. Rajasekar, Student Chair of ISHRAE Chennai Chapter, delivered a speech on Clean Room air and Its importants

## DEPARTMENT OF MECHANICAL ENGINEERING ISHRAE® SEMINAR : HVAC IN DATA CENTRE

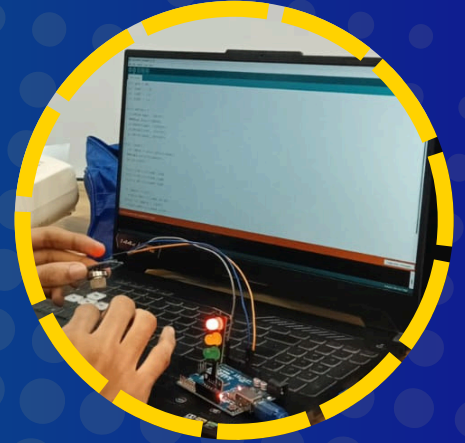


“Our students from **third year and final years** of our department are accompanied by **Dr.T Gavaskar, M.E.,Ph.d** attended a half day seminar conducted by **ISHRAE Chennai Chapter** on the topic **HVAC IN DATA CENTER** , held at **ISHRAE Chennai Chapter Head Quarters , Porur , Chennai** on **14/09/2024 .”**

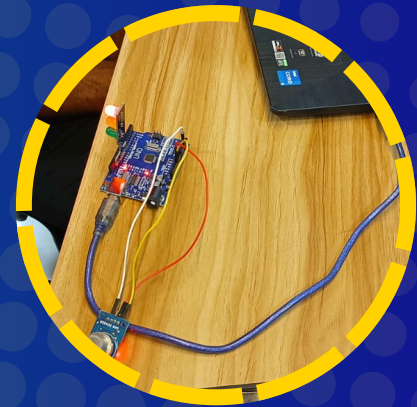


# WORKSHOP

Department of Electrical and Electronics Engineering has organised Student Workshop for our Second Year Students on 3rd and 4th October, 2024. The Session was held by various industry experts



- **Design and Develop smart Analog battery charger using proteus and easy eda Software by Emcog Soutions Private Ltd.**
- **Trends and Opportunities in Solar PV Technology by TIAS Pvt Ltd.**
- **Interior Lighting design using Dialux evo software by Unique MEP Pvt Ltd. by Unique MEP Pvt Ltd**
- **Introduction to PCB software: Altium" by TATA**
- **Hands- on Machine learning using python" by Build Innovative Technologies Pvt. Ltd**

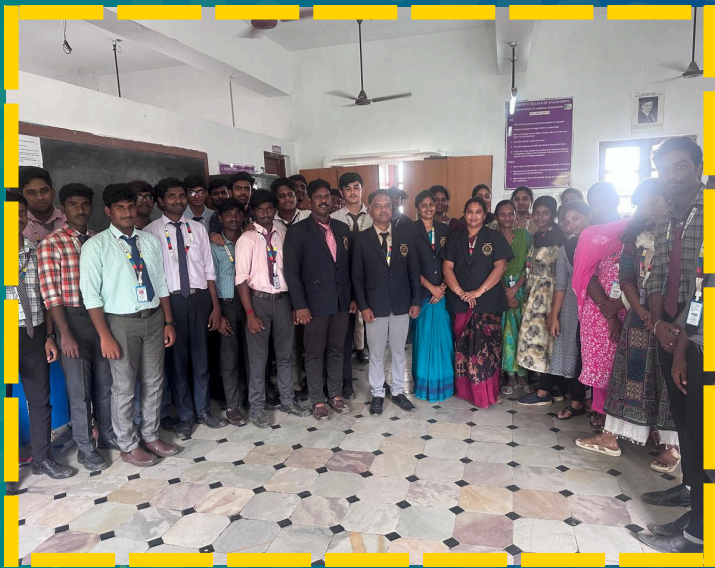




# WORKSHOP

The MBA Department has initiated a Value Added Course on 'Managerial Communication and Finance' exclusively designed for 2nd, 3rd, and 4th-year MBA Integrated students. This course aims to enhance students' communication skills in

formats such as group discussions (GD) and professional email writing. Additionally, and hands-on experience with the stock market, allowing students to engage in real-time trading, thus bridging theoretical knowledge with practical application in finance."



The Department of Chemical Engineering at St. Joseph's College of Engineering held a two-day workshop on October 4 and 5, 2024, for second-year students, focusing on hands-on training in key research and engineering tools.

Day 1, Dr. N. Magesh, Assistant Professor, conducted a session on "E-Tools for Research", providing practical insights into digital tools for research applications.

Day 2 featured MATLAB training by Dr. Suresh, Associate Professor from ECE, in the morning, followed by an AutoCAD session led by Mr. Ruskin Bruce, Assistant Professor from Mechanical Engineering.

The workshop equipped students with essential skills in research, simulation, and design software, receiving positive feedback for its practical approach.





## WORKSHOP

Department of Biotechnology has conducted One-Day National Workshop titled "Unlocking Innovation: Mastering Experimental Research Techniques", organized in association with the Biotech Research Society of India and the Microbiologists Society of India on 05/10/2024. The resource persons are Dr.C.Prasad and Dr.P.Senthil Kumar from Indian Institute of Technology Madras. This interdisciplinary workshop is open to students, staffs researchers, and professionals from all branches of science and engineering, providing a unique platform to explore cutting-edge experimental research methods that are driving innovation across multiple fields.



From Department of computer science and engineering, 51 students from batch 2022-2026 have attended 7 days workshop on "low Code Mendix" from 18.9.2024 to 26.09.2024





## PLACEMENT ACTIVITIES

The ECE Department recently held a successful Mock Interview session on October 5th, 2024. To prepare third-year ECE students for upcoming placements, the event provided a valuable opportunity to experience real-time interviews, gain valuable feedback, and improve their interview skills. Distinguished engineers from Valeo India Private Limited conducted the mock interviews, offering personalized guidance on technical knowledge, communication skills, and overall demeanor to the participating students.





# INDUSTRIAL VISIT



The second-year students (2023-2027 batch) from the Department of Information Technology visited Image Creative, a leading company specializing in graphics and 3D animation, on 4th October. During the industrial visit, students gained valuable insights into the latest techniques and technologies used in the industry, enriching their understanding of visual design and animation. This exposure provided them with practical knowledge, enhancing their technical skills and preparing them for careers in creative fields.







## INDUSTRIAL VISIT

A group of students from the department of ECE visited TANSAM on September 26, 2024. It was an eye-opening experience that provided invaluable insights into the cutting-edge technologies shaping the future of manufacturing. From AR/VR to machine learning and Industry 4.0, students gained a comprehensive understanding of how these advancements are transforming industries. The live demonstrations of metal 3D printing and the basics of electric vehicles further enriched our learning. This visit equipped them with practical knowledge that will complement our academic pursuits.



## STUDENT CHAPTER ACTIVITIES

Department of EEE in association with IEEE SJCE SB successfully conducted the first session of the EXPERT TALKS series, titled "RECREATING RENAISSANCE." The session featured Mr. Arisudan T H, recognized for his contributions as the Immediate Past Chair of IEEE SJCE SIGHT AG and as the recipient of the IEEE Best Volunteer Award in 2023, provided valuable perspectives on Electrical and Electronics Engineering and the broader IEEE society. The event facilitated meaningful interactions between the speaker and the participants, allowing for an exchange of knowledge and ideas.







# ISHRAE

Department of Mechanical Engineering conducted ISHRAE student Chapter Installation on 30th September 2024. Mr. Ashok Subramaniam, President of ISHRAE Chennai Chapter, Managing Director of Sun Rise Eco Systems and Mr. T. Goghulnath, Chair - Students Activities, ISHRAE Chennai Chapter, Manager South - ZedBee Technologies (IIT Madras Research Park Incubated) are felicitated the installation programme along with Dr. N. Arunkumar, Dean, Industrial Collaboration and IOAC and Dr. L. Balamurugan, HOD, Department of Mechanical Engineering.





## STUDENT CHAPTER ACTIVITIES

### IETE Student Chapter



**A Deep Dive into Cutting-Edge Research: Exploring CSIR-Madras**  
 On September 26, a group of ECE students embarked on an enriching journey to explore the CSIR-Madras complex, delving into the groundbreaking research conducted at CSIO and CEERI labs. At CSIO, they learned about the innovative electrospinning process, a nanotechnology used to create ultra-fine fibers, and the precision of acoustic sensing for various applications. Their visit to CEERI introduced them to the advanced terahertz system, a powerful tool for material characterization and imaging. Moreover, they gained valuable insights into the non-invasive edible oil detection method developed at CEERI, ensuring quality and safety through advanced analysis techniques.



# STUDENT CHAPTER ACTIVITIES



## Optica Student chapter

Evoquest an event tailored for second year students of ECE featured a series of engaging rounds designed to assess various communication skills by working on quiz tasks and boosted management skills thereby creating a memorable and enjoyable learning experience

## IET Student Chapter

Department of ECE inaugurated IET Student Chapter on September 27, 2024. The event featured an insightful talk by Saudamini Dutta, Asst. Manager of Business Development at IET-Bengaluru. Ms. Dutta provided valuable insights into the benefits of joining IET and how it can enhance students' global networking and career growth opportunities.





# STUDENT CHAPTER ACTIVITIES

## Optica Student chapter

The Edit Forge Workshop was a comprehensive, hands-on event designed to enhance the video editing skills of 2nd-year ECE students. Over three days, participants were guided by skilled resource persons from the 3rd-year ECE class, who introduced cutting-edge software tools for multimedia editing. The focus was on three key tools: Adobe After Effects for motion graphics and visual effects, CapCut for simple yet powerful mobile video editing, and DaVinci Resolve for professional color grading and editing.



## IETE Student Chapter

### TechnoCAD: A Circuit Design Competition

The IETE Student Chapter of ECE Department hosted a thrilling circuit design competition, TechnoCAD, on September 24, 2024. The event challenged students to showcase their creativity and technical skills using Tinkercad. Participants were tasked with designing and simulating various circuits, including smoke alarms, LED buzzer interfaces, humidity sensors, traffic lights, LED displays, and circuits of their own choosing. The event was a great opportunity for students to learn and apply their knowledge of circuit design in a fun and competitive environment.







# ALUMNI TALK

On September 23, 2024, a transformative placement talk titled "Core Dreams to Core Reality" was held, featuring esteemed alumnus Mr. Hariram Kumar S, a SoC Design Engineer at Intel Technology India Pvt. Ltd. His narrative served as an inspiration, urging students to prioritize skill development and industry readiness. He emphasized the significance of possessing a strong foundation in technical knowledge, which he identified as crucial for success in core Electronic and Communication Engineering (ECE) sectors.



**Mr. Babu ram G**  
**2015-2019 UG**  
**Executive cadre**  
**Under Ministry of Home affairs**

He interacted with second year students of Department of EEE on 05-10-2024. He gave a wide view on OPPURTUNITIES IN GOVERNMENT SECTOR and shared ideas to approach in simple way. Contributed 12 books for motivating the students.





## ALUMNI TALK

**Ms. Sarannya Dayanandan**  
**2015-2019 UG**  
**Senior Engineer,**  
**Office of Executive Bosch**  
**Global Software Technologies**

Third year students from department of EEE have interacted with her on the topic 'My Journey in last 5 years-AVENUES TO NAVIGATE'. She have shared her experience on the core job and roles.



### Guest Lecture on "21st Century Skills: An Industrial Perspective"

On 26, September 2024, a guest lecture on "21st Century Skills: An Industrial Perspective" was conducted at the AV Hall, Central Library for the first-year CSE students. The session was delivered by Mr. Balaji Saravanan, a Software Developer at LTI Mindtree and a distinguished alumnus of the 2018-2022 batch. During the session, Mr. Saravanan shared valuable insights on the essential skills required to thrive in today's industrial environment, emphasizing adaptability, technical proficiency, and continuous learning. He also highlighted how modern industries are evolving and the importance of both technical and soft skills in securing a successful career.



# NGO

## NGO Visit

### I MECH A & MECHATRONICS



ENTERTAINMENT

FOOD

GOOD DEEDS

On 26th September 2024, the first-year students from the Department of Mathematics visited various NGOs as part of a community service initiative. The students organized special events for both children and senior citizens at these locations, bringing joy and creating a positive impact in their lives.

The activities included interactive sessions, entertainment programs, and spending quality time with the children and elderly. In addition to the events, the students also served delicious meals to the participants, ensuring a memorable and heartwarming experience for all involved.

This initiative allowed the students to contribute meaningfully to society while gaining a deeper understanding of social responsibility. The event was a great success and left a lasting impression on both the students and the communities they served.

### Department of Mathematics & English

#### I Year ITC NGO VISIT



SAASTHA OLD AGE HOME, KUNDRATHUR 26-09-2024

### Department of Mathematics & English

#### I Year ITD NGO VISIT



ST. JOHN'S DE BRITTO, OLD AGED HOME FOR WOMEN, KOVALAM 26-09-2024



# STAFF ACHIEVEMENTS

1

Dr. P. Saravanan from the Department of Chemistry has authored two research articles. The first article, titled "Fabrication of one-dimensional Zn-doped Bi<sub>2</sub>S<sub>3</sub> nanorods for photodiode applications," was published on September 24, 2024, and can be accessed at <https://doi.org/10.1002/bio.4901>. The second article, "Visible-light enhanced tetracycline degradation via SnO<sub>2</sub>/TiO<sub>2</sub>-Ni@rGO ternary heterostructures," was published on September 25, 2024, and is available at <https://doi.org/10.1002/bio.4906>. Both articles appeared in the journal Luminescence (WILEY).

2

Dr. P Krishnan from the Department of Physics has authored a research article entitled "Biomedical applications of terbium oxide nanoparticles using Couroupita guianensis aubl leaves extract: A greener approach." This study was published in the journal Nano-Structures & Nano-Objects (ISSN 2352-5088) on September 25, 2024, and is available at <https://doi.org/10.1016/j.nanoso.2024.101341>.

3

Dr. V. Swarnalatha from the Department of Chemistry has authored a research article entitled "Synthesis and Studies of Manganese Mercury Thiocyanate Glycol Mono-Methyl Ether Crystals for Structural, Electronic, Dielectric, Sensor, and Piezoelectric Functionalities by Theory and Practice." This study was published in the Journal of Materials Science: Materials in Electronics on September 22, 2024, and is available at <https://link.springer.com/article/10.1007/s10854-024-13534-z>.

4

Dr. B Subash from the Department of Chemistry has authored a research article entitled "Facile synthesis of Co-doped In<sub>2</sub>O<sub>3</sub> integrated with tubular g-C<sub>3</sub>N<sub>4</sub> heterostructure and their synergistic effect on the enhanced photocatalytic degradation of tetracycline and oxygen evolution reaction." This study was published in the Elsevier Journal, Colloids and Surfaces A: Physicochemical and Engineering Aspects, and became available online on September 10, 2024. The article can be accessed at <https://doi.org/10.1016/j.colsurfa.2024.135340>.

5

Dr. N. Arunkumar, Professor & Dean, Mr. M. Ganesh & Mr. M. Siva, Assistant Professors, Dr. G.M. Lionus Leo, Associate Professor from the Department of Mechanical Engineering Published an article titled " Experimental investigation on sustainable machining of Monel using vegetable oils as cutting fluids and machine learning-based surface roughness prediction" in "Engineering Research Express".

6

Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has Successfully Published a Patent titled "Experimental Investigation of Mechanical Properties of Sisal and Jute Fiber Reinforced Composites" on 04/10/2024. Application No: 202441071443



# STAFF ACHIEVEMENTS

7

Dr. R. Baghia Laxmi, Assistant Professor from the Department of Artificial Intelligence and Data Science has published a Patent titled "IoT & ML for Crop Health Monitoring and Management System". Application No. 202441070038

8

"Dr. B. Uma Maheswari" from the Department of computer science and published Indian Patent on 04/10/2024 in the title called "Machine Learning based Intelligent System for Data Quality Assessment and Cleansing"

9

"Ms.M.R.Archana Jenis" from the Department of computer science and engineering has published a paper, titled "Guarding the Digital Frontier: A Logistic Regression Approach to Malware Detection," in the **\*\*Springer IFIP AICT 718 Conference Proceedings\*\***, as part of **\*\*ICCIDS 2024\*\***

10

"Ms Steffina Morin L" from the Department of computer science and engineering has participated in Five days Virtual FDP on "Integrating NEP into higher education: strategies for curriculum innovation and faculty development", Hindustan College of Arts and Science, Coimbatore from 2nd September to 6th September 2024.

11

"Ms Steffina Morin L" from the Department of computer science and engineering has published Book chapter on titled "Gamification: A Playful Approach to Decision Making in educational Management" in the Book "Digital Learning Platform for the Decision Making Process in the Management Sector", Shanlax Publications, September 2024. ISBN 978-93-6163-648-6

13

"Mr K.Swaminathan" from department of Computer Science and Engineering has Published a Book Chapter in "Shanlax Publication" on 28-09-2024 in the title called "Leveraging Digital Learning Platforms for Enhanced Decision-Making in Management" Organized by Dr.P.Nivetha and Dr.K.Kaavya

14

"Mr B.Blessed Sam" from department of Computer Science and Engineering has published a Book Chapter in "Shanlax Publications" on 28.9.2024 in the title called "Improving Employee Performance : Strategic approaches for supervision , assessment and continuous development "organized by Dr .P.Nivetha and Dr.K.Kaavya



# STAFF ACHIEVEMENTS

15

Mr. J. Vijayanand & Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has Successfully Published a Patent titled "Experimental Investigation of Tamarind Seed Powder and Glass Fiber Reinforced Composites" on 04/10/2024. Application No: 202441070196

16

Mr. K.Gnanasekaran, Assistant Professor from the Department of Mechanical Engineering Published a Text Book titled "Renewable Energy Systems " in Quill Tech Publication, ISBN 978-93-6786-963-5

17

K. Gnanasekaran, Assistant Professor from the Department of Mechanical Engineering published a patent titled "Design and fabrication on bench test of electric two wheeler" . Application Number . Application no: 202441071428

18

K. Gnanasekaran, Assistant Professor from the Department of Mechanical Engineering published a patent titled "Solar powered three blade grasscutter" Application Number .202441071427

19

Mr. K. M. B . Karthikeyan and Mr. K. Gnanasekaran, Assistant PProfessor, Department of Mechanical Engineering received a grant fund of Rs. 60,000/- for conducting technical events in Bureau of indian standards BIS (Students professional activities ) .

20

Elaveni Palanivel, Shirley Selvan," Unsupervised Multispectral Gaussian Mixture Model-Based Framework for Road Extraction" J Indian Soc Remote

21

S.Aghalya," Cloud based prediction of epileptic seizures using real-time electroencephalograms analysis" International Journal of Electrical and Computer Engineering, vol 14, no.5, pp. 6047-6056

22

Dr. B. Victoria Jancee, published a patent tilted "IOT-enabled smart city traffic management system".

23

Mr. G D Vignesh, published a patent tilted "IOT enabled edge computing system for smart agriculture applications".

24

Dr.R.Niruban published a patent tilted "Encrypted Federated Learning Framework for Collaborative Model Training with Privacy Guarantees"

25

D. Sumithra Sofia attended FDP on "Recent Advances Trends and Challenges in Material Characterization and Technique" from 9th to 14th September 2024 at koneru Lakshmaiah Education Foundation, India.

26

Mrs.P.Thenmozhi attendend FDP on " Innovation and Design Challenges in Antenna and RF Devices for Next Generation 5G/6G Wireless Communication" from 23rd to 28th September at Sri Manakula Vinayagar Engineering College.



# CHIEF MINISTER TROPHY **CHENNAI REGION** **FENCING** TOURNAMENT

17<sup>th</sup> - 20<sup>th</sup> SEPTEMBER 2024



## **OFFICIAL REFEREE**

**Mr. K. MUNINATHAN**

Assistant Professor, Dept. of Mechanical Engineering

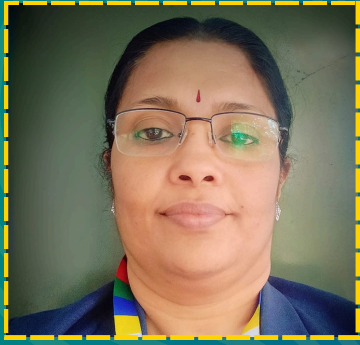
**COMMONWEALTH FENCER, 9 TIMES OVERALL STATE CHAMPION, BEST COACH TNFA,  
NIS COACH, 24 GOLD, 13 SILVER & 19 BRONZE MEDALS IN STATE LEVEL TOURNAMENTS**





Dr. N. Magesh, Assistant Professor from the Department of Chemical Engineering at St. Joseph's College of Engineering, was honored with a prestigious memento during the two-day All India Seminar on "Augmentation of Bio Ethanol & Bio-Hydrogen from Organic Waste". The seminar was organized by The Institute of Engineers (India) Tamil Nadu State Centre on October 5 and 6, 2024. Dr. Magesh served as the Chairperson for one of the critical technical sessions, which featured presentations on cutting-edge green energy solutions. His role as Chairperson was instrumental in guiding discussions on the importance of bio-energy in reducing greenhouse gas emissions and finding sustainable alternatives to fossil fuels.





Dr. Lekshmi R. S. from the MBA Department has earned the Rabindra Ratna Puraskar 2024 for her contributions to marketing research in Tamil Nadu (RABINDRA RATNA PURASKA). She was awarded Certificates of Excellence in Reviewing by the Asian Journal of Medicine and Health (and the Asian Research Journal of Agriculture (REVIEW 2 CERTIFICATE)). Additionally, she completed a 5-day FDP on Research Methodology and Publishing organized by Pune Institute of Business Management.



Dr. K. Jawahar Rani from St. Joseph's College of Engineering presented her paper on "Exploring the Impact of Cloud-Based HRM on HR Mediation Role of MSMEs" at ICISD 2024, MEASI Institute of Management. She also received a Certificate of Excellence in Reviewing from the Journal of Engineering Research and Reports for her contributions to the journal's quality.



Aravindh S successfully completed an 8-week course on Financial Accounting through the NPTEL platform during the July-September 2024 session.



"Mr. k. Swaminathan and Mr. Blessed Sam" have attended AICTE Sponsored ATAL FDP for "Industry 4.0/5.0" on 30.09.2024 to 05.10.2024 Organized by Gregorian Institute of Technology, Kerala.







# STUDENT ACHIEVEMENT



Bhuvaneshwaran K and Praveen Kumar S from the department of EIE showcased their talent and creativity by winning first prize with



4000 cash in "COMPILE COMBAT" conducted at Invente'24, National level tech-fest organized by SSN College of Engineering & Sniv Nadar University, Chennai on 27th September, 2024.

Kavin Jude Snowin J and Sanu J from the department of Electronics and Instrumentation Engineering won FIRST PRIZE in "Debugging" Tech-event conducted at EmERGE 2k24 2.0, National level Symposium organized by SRM Valliammai Engineering College, Chennai on 5th October, 2024.



Thalavaram, Tamil Nadu, India  
R2GV+W29, Potheri, SRM Nagar, Thalavaram, Kattankulathur, Tamil Nadu 603203, India  
Lat 12.82735°  
Long 80.042347°  
05/10/24 01:08 PM GMT +05:30



Kattankulathur, Tamil Nadu, India  
New Building, Valliammai Engineering College, Intra College Rd, Potheri, SRM Nagar, Kattankulathur, Tamil Nadu 603203, India  
Lat 12.826408°  
Long 80.042651°  
05/10/24 02:10 PM GMT +05:30

Dishon S H, Gopinath G and Martin Rijo A from the department of Electronics and Instrumentation Engineering won SECOND PRIZE in "Circuitrix" Tech-event conducted at EmERGE 2k24 2.0, National level Symposium organized by SRM Valliammai Engineering College, Chennai on 5th October, 2024.



Department of Artificial Intelligence and Data Science

**MICROSOFT AZURE CERTIFIED STUDENTS**



Jeevitha .M  
Azurex3,  
Fabrics Analytics



Dhanushkumar .R  
Azurex2



Atchaya.S  
Azurex2



Harisudhan.S  
Azurex1



Kasey Ann Britto  
Azurex1



Jenina Angelin.D  
Azurex1



Sharmila L  
Azurex1



Varnikaa DT  
Azurex1



Vishal GB  
Azurex1



Dhaksin  
Azurex1

Ms Jeevitha M, Ms Sharmila L, Ms. Jenina Angelin D, Ms. Kasey Ann Britto, Mr. Dhanush Kumar R, Mr. Harisudhan S, Ms. Varnikaa D T, Ms. Atchaya S, Mr. Vishal G B and Mr. Dhaksin S , Final and Third Year Students from the Department of Artificial Intelligence and Data Science have successfully passed all requirements for Microsoft Certified: Azure AI Fundamentals

2023 - 2027 Batch, Mr. Keshav Srinivas M, Second Year Student from the Department of Artificial Intelligence and Data Science has become an Oracle Certified Foundation AI Associate.



2021 - 2025 Batch, Mr. Dhanush Kumar R, Final Year Student from the Department of Artificial Intelligence and Data Science has served as a Guest Speaker at a Azure Community event in Microsoft Campus, Chennai.







The Institute of Engineers (India) Tamil Nadu State Centre successfully hosted a two-day All India Seminar on "Augmentation of Bio Ethanol & Bio-Hydrogen from Organic Waste" on October 5 and 6, 2024. Sam Danial and Lewyn, second-year Chemical Engineering students, clinched the first prize for their insightful and forward-thinking presentation on sustainable bio-energy solutions. Negha Magendran, also a second-year Chemical Engineering student, secured the second prize for her impressive research on pigment production from biowaste with a byproduct of ethanol.





"Students of 2nd MBA Integrated, Mr. Vaikundamani and Mr. Ellavazhagan, have proudly secured a prize at KCG College by showcasing their entrepreneurial skills in the Shark Tank competition."

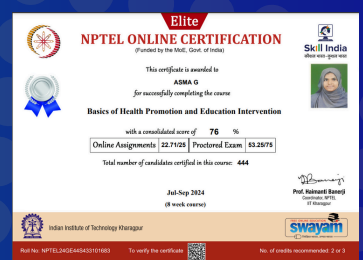
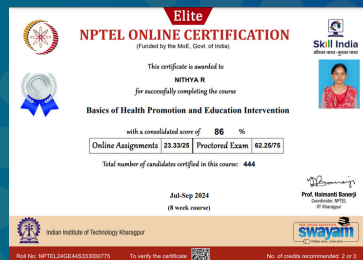
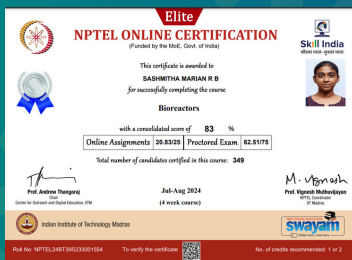
## ECE TRIO TRIUMPHS AT SRI SAI RAM INSTITUTE OF TECHNOLOGY

Bharath Kumar S, Raja priyadharshini B, and Shivani S, third-year ECE students, have brought immense pride to our college by securing the third position at the SRI SAI RAM INSTITUTE OF TECHNOLOGY. Their outstanding achievement is a testament to their hard work, dedication, and exceptional skills.

- Sanjay S, IVth Year Chemical Engineering student has published a Paper "Innovative eco-friendly silver nanoparticles: various synthesis methods, characterization and prospective applications" in Chemical Engineering Communications
- Mr.U.Srikanth of III year Mechanical Engineering has published a patent titled Machine learning algorithm for quality control in pharmaceutical manufacturing. Application no: 202441071599
- Mr.N.Shakthi Maheswaran of III year Mechanical Engineering has published a patent titled A novel ML based intelligent data quality assessment and cleansing system. Application no: 202441071912



- Department of computer science and engineering, we proudly present students "Ms. Jasmine Ramola J, Ms. Hemamalini S, Ms. Jaishree N, Ms. Karthika S" from batch (2023-2027) has won first place with cash amount of "Rs.1000/-" in Technical Symposium which was held at \*Loyola ICAM college of Engineering and Technology\* in the Event Name called \*DEFENDER'S PITCH\* On 28.09.2024 .
- Department of computer science and engineering, we proudly present students "Karan Paul M, JayaSuriya D, Haresh Selvaraj S" from batch 2023-2027 have participated in National level symposium and won Second prize with cash award of "Rs 800/-" which held at \*Loyola ICAM College of Engineering and Technology\* in the Event called \*QUEST BEYOND THE WALL\* on 28.09.2024 Saturday



37 students from Department of Biotechnology has completed their NPTEL courses, out of which 14 students awarded with silver medal and Elite certification.

Students from EEE Department have achieved exceptional results in the NPTEL exams.

Total No of Students Cleared: 111

Total No of Elite Certification: 47

Total No of Elite with Silver Certification: 03

Total No of Elite with Gold Certification: 01



*Nature is our Teacher*



# St. JOSEPH'S GARDEN SCHOOL

**AFFILIATED TO CBSE, NEW DELHI, SENIOR SECONDARY LEVEL**

**AFFILIATION NO : 1931696**

**St. JOSEPH'S GROUP OF INSTITUTIONS**

**OMR, CHENNAI - 119**



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BEST EDUCATION**

St. Joseph's Garden School is elated to announce that we have now obtained the CBSE affiliation. We assure that we would continue to impart quality education and world class facilities.

We are indebted and thankful to all the parents who trusted us on their children's education. Our steps towards excellence will offer a well-rounded development to your child.

Academic Excellence | Co-Educational | Air Conditioned  
Interactive Smart Classes | World Class Infrastructure |  
Highly Equipped Laboratories | KG Play Area | Dining with  
Breakfast, Lunch & Snacks | Transport Facilities | Students  
Maintained Garden | Library with Extensive collection of books  
Medical Dispensary | Music and Dance | Integrated  
Montessori Education

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**PRE-KG TO GRADE XI**

**VIJAYADHASIMI  
2024-25**

**& ACADEMIC YEAR  
2025-26**

**OMR, St. Joseph's Campus, Chennai - 119**

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