



*You Choose, We Do It*  
**St. JOSEPH'S COLLEGE OF ENGINEERING**  
(An Autonomous Institution)

**St. Joseph's Group of Institutions**

OMR, Chennai - 119

**MARCH 2025**



**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

S.No.	Title of the Events and Photographs	Details of the Event
1.	COLLABARATIVE QUALITY INITIATIVES WITH OTHER INSTITUTIONS/ INDUSTRY INSTITUTE INTERACTION	<i>The <b>Employment Enhancement Course</b> was successfully conducted for <b>Third Year students</b>, from the Department of Artificial Intelligence and Data Science, with a total of <b>197 participants</b>. The Training was</i>

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE &  
DATA SCIENCE**

**EMPLOYABILITY ENHANCEMENT COURSE**

SD0105 - Network Virtualization



**Mr.Naushad Khan**  
 Project Engineer - CDAC  
**Mr.S.Siva**  
 Project Engineer - CDAC

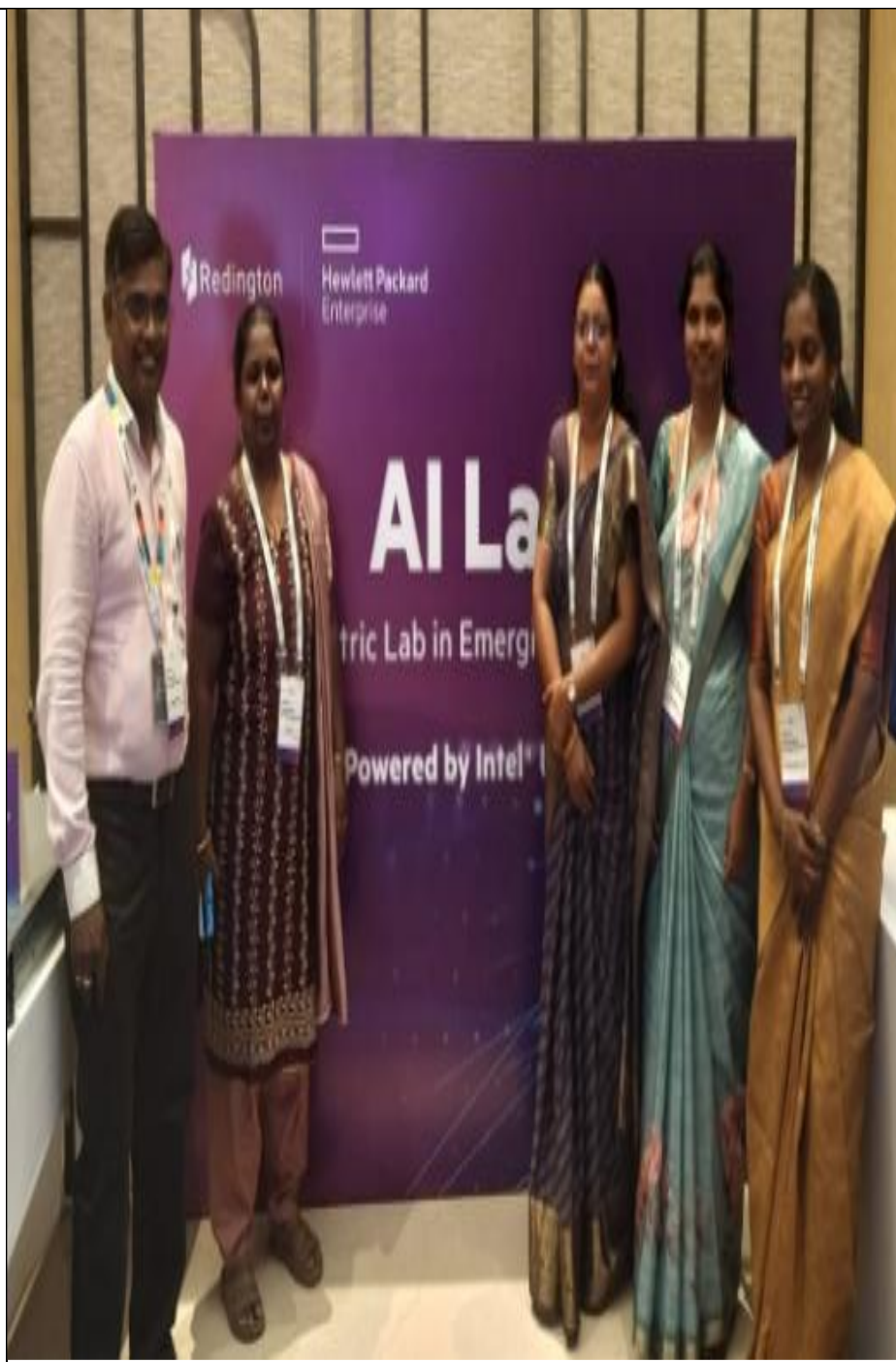
**EVENT OUTCOMES**

- Students gained a clear understanding about the basics of networking and network communication models.
- Students understood the need for Software-Defined Networking (SDN).
- Students gained a solid understanding of Virtual Private Cloud (VPC) concepts.
- Students learned the programming languages and functions used for SDN development.

3rd yr ADS

20-03-2025,  
24-03-2025 to 28-03-2025

*delivered by Industry experts from C-DAC, including **Mr. E. Mahendran, Scientist - E** along with **Mr. Naushad Khan, Project Engineer** and **Mr. Siva S, Project Engineer**, serving as Subject Matter Experts. Their expertise and industry insights provided students with a comprehensive understanding of Software defined Network (SDN) and related technologies, preparing them for real-world applications.*



*Dr. L. Sherly, Professor and Head of the Department, has attended Education Conclave “AI Pragati”, Organized in Collaboration with Intel, HPE and EdGate Technologies.*



## INDUSTRIAL VISIT

*You Choose, We Do It*

**St. JOSEPH'S COLLEGE OF ENGINEERING**  
(An Autonomous Institution)  
St. Joseph's Group of Institutions  
OMR, Chennai - 119

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

**INDUSTRIAL VISIT to AERO KNOTZ**

**Siruseri Chennai**  
13 & 14 March 2025  
9.30 am - 3.00 pm

**Visit Outcomes**

- Gained insights into drone technology.
- Helped students to identify potential career paths.
- Understands about the several ongoing drone projects and the applications of drones in various sectors.

*3rd ADSB & C*

**St. JOSEPH'S GROUP OF INSTITUTIONS**  
OMR, CHENNAI - 119

*The Choice of Disciplined Toppers*

A group of *third-year students* visited *Aero Knotz Drones Pvt. Ltd.* as part of an *industrial visit*. The visit aimed to give the students *firsthand exposure to the drone technology industry and provide insights into its practical applications.*

*Students learned about the design, development, and testing processes involved in creating drones, as well as the challenges faced in the industry. The visit also included a discussion on the future of drone technology, including its uses in fields like agriculture, surveillance, logistics, and more.*



*You Choose, We Do It*  
**St. JOSEPH'S COLLEGE OF ENGINEERING**  
 (An Autonomous Institution)  
 St. Joseph's Group of Institutions  
 OMR, Chennai - 119




**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

**INDUSTRIAL VISIT** to  **LTIMindtree**

**Visit Outcomes**

- The session highlighted future projects and opportunities in AI and Generative AI.
- The need for students to update their skills to meet industry requirements was discussed.
- Discussion on how AI is transforming business processes
- Importance of responsible AI practices was highlighted.




 **Ramapuram  
Chennai**  
 **05-03-2025**  
 **9.30 am - 3.00 pm**

A group of *third-year students* visited *LTIMindtree* as part of their *industrial visit*. The main purpose of the visit was to provide students with a deeper understanding of the IT and software industry, as well as the operations of a leading global technology consulting and services company. During the visit, students had the opportunity to tour the company's facilities and learn

		<p><i>about the various services offered, including digital transformation, cloud computing, and IT solutions across industries like finance, healthcare, and manufacturing.</i></p>
3.	<p><b>GUEST LECTURE</b></p>	<p><i>The Department of Artificial Intelligence and Data Science successfully conducted a <b>guest</b></i></p>



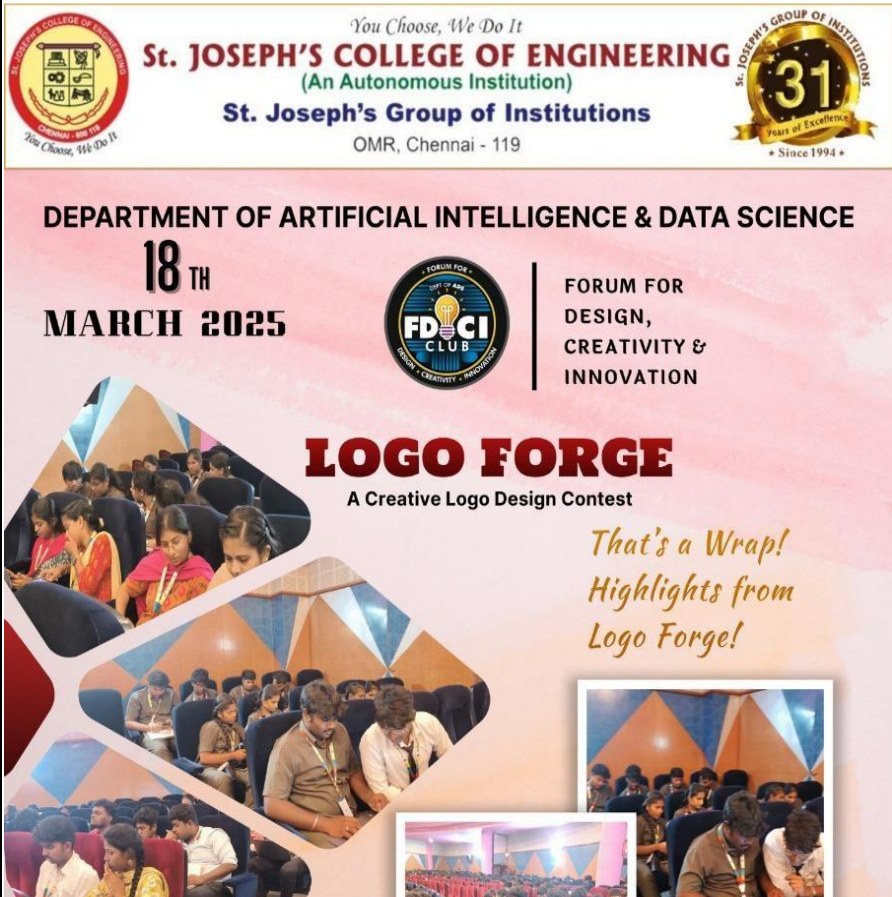
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE &  
DATA SCIENCE**

*Glimpses*





**GUEST LECTURE ON "GENERATIVE AI"**

		<p><i>lecture on "GENERATIVE AI" for Third-year students. The session took place on 17/03/2025 in Conference Hall and was delivered by Mr.Praveen Pandiyan, CEO &amp; Lead Engineer and Mr. Ritik Kumar, AI Engineer from Evolve Robot Lab, Chennai.</i></p>
--	--	--



4.	<p><b>ADS CLUB ACTIVITY</b></p>  <p><b>LOGO FORGE</b> A Creative Logo Design Contest</p> <p><i>That's a Wrap! Highlights from Logo Forge!</i></p> <p><b>STAY TUNED FOR THE</b></p>	<p><i>The Department of Artificial Intelligence and Data Science proudly launched its highly anticipated <b>Design Club – Forum for Design, Creativity and Innovation</b>, dedicated to cultivating a culture of creativity, innovation, and collaboration among students of ADS department. The event was further highlighted by a thrilling <b>Logo Design Competition – LOGO FORGE</b>, which invited participants to define the club's unique identity.</i></p>



5.	<p><b>FDP/WORKSHOP/CONFERENCE/HACKATHON ORGANIZED/ ALUMNI TALK/ MOCK INTERVIEW</b></p> <div data-bbox="362 948 1227 1107">  <p><i>You Choose, We Do It</i>  <b>St. JOSEPH'S COLLEGE OF ENGINEERING</b>          (An Autonomous Institution)          St. Joseph's Group of Institutions          OMR, Chennai - 119</p>  </div> <p><b>DEPARTMENT OF ARTIFICIAL INTELLIGENCE &amp; DATA SCIENCE</b></p> <p><i>Glimpses</i>  <b>WORKSHOP ON CLOUD COMPUTING</b></p> <div data-bbox="385 1295 766 1592">  </div> <div data-bbox="801 1295 1214 1592">  </div>	

		<p><i>The Department of Artificial Intelligence and Data Science successfully conducted a <b>workshop</b> on "<b>CLOUD COMPUTING</b>" for <b>Second-year</b> students. The session took place on 22/03/2025 in Conference Hall and was delivered by Mr. Naushad Khan, Project Engineer and Mr. Siva Kumar, Project Engineer from CDAC, Chennai.</i></p>
--	--	---

		<p><i>The Department of Artificial Intelligence and Data Science has successfully organized an Alumni Talk on “From Campus to Corporate: My Placement Journey”, for the Third Year students on 09/04/2025. The Alumni Talk was given by Mr. Rakesh Dhilip, Member Technical Staff, ZOHO (IT Alumnus).</i></p>
--	--	---



*You Choose, We Do It*  
**St. JOSEPH'S COLLEGE OF ENGINEERING**  
(An Autonomous Institution)  
**St. Joseph's Group of Institutions**

OMR, Chennai - 119



## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



DATE  
09.04.2025

TIME  
08:00 AM - 9.30 AM

Venue: Laurel Hall  
(Placement Block)

# ALUMNI TALK

for 3<sup>rd</sup> Year  
ADS Students



**Mr. Rakesh Dilip**  
Member Technical Staff  
Zoho  
IT Alumnus



**St. JOSEPH'S**  
GROUP OF INSTITUTIONS  
OMR, CHENNAI - 119



*The Choice of*  
**Disciplined Toppers**

*The Department of Artificial Intelligence and Data Science successfully conducted an alumni talk on "Internships and Placements" for Second-year students. The session took place on 10/04/2025 in Basil Hall and was delivered by Mr. Peter Paul Samuel S, Senior Software Engineer from digital.ai, Chennai.*



		<p><i>The Department of Artificial Intelligence and Data Science has organized a <b>Mock Interview</b> for the <b>Third Year students</b> on 08/04/2025. The Mock Interview was conducted by</i></p>
--	--	--



**St. JOSEPH'S COLLEGE OF ENGINEERING**

*You Choose, We Do It*

**(AN AUTONOMOUS INSTITUTION)**

**OMR, CHENNAI - 119**



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

# ALUMNI TALK

**Peter Paul Samuel S**

SENIOR SOFTWARE ENGINEER

@ DIGITAL.AI



**FOR II YEAR STUDENTS**



**VENUE: Basil hall**



**10TH APRIL 2025**

**TIME: 8:00AM TO 9:30AM**



**St. JOSEPH'S  
GROUP OF INSTITUTIONS**  
OMR, CHENNAI - 119



*The Choice of*  
**Disciplined Toppers**

**1. Mr. Vignesh K, Associate Consultant, Infosys**

**2. Mr. Karthik K, System Engineer, TCS,**

**3. Mr. Rakesh Dhilip, Member Technical Staff, ZOHO (IT Alumnus)**

**4. Ms. Harini, Programmer Analyst Trainee, CTS,**

**5. Mr. Peter Paul Samuel, Sr. Software Engineer digital.ai (IT Alumnus)**



You Choose, We Do It  
**St. JOSEPH'S COLLEGE OF ENGINEERING**  
(An Autonomous Institution)  
**St. Joseph's Group of Institutions**  
OMR, Chennai - 119



## DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

**Organizes**  
**MOCK INTERVIEW**

for 3<sup>rd</sup> Year  
ADS Students



**Mr. Vignesh K**  
Associate Consultant  
Infosys



**Mr. Karthik K**  
System Engineer  
TCS



**Mr. Rakesh Dhilip**  
Member Technical Staff  
Zoho  
**IT Alumnus**



**Ms. Harini**  
Programmer Analyst Trainee  
CTS MEPZ  
Tambaram



**Mr. Peter Paul Samuel**  
Sr software Engineer  
digital.ai  
**IT Alumnus**



**08-04-2025**



**ADS Lab**



**St. JOSEPH'S**  
GROUP OF INSTITUTIONS  
OMR, CHENNAI - 119



*The Choice of*  
**Disciplined Toppers**

## COMPETITIONS ATTENDED BY STUDENTS /STUDENTS NPTEL ONLINE CERTIFICATION


**St. JOSEPH'S COLLEGE OF ENGINEERING**  
 (An Autonomous Institution)  
**St. Joseph's Group of Institutions**  
 OMR, Chennai - 119  
 DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE  
 In association with  
**IEEE SYSTEMS, MAN AND CYBERNETICS SOCIETY SJCE SB**  
 presents  
**BOT MEETS WORLD**   *Idea Presentation*











**1st Prize**  
**Creep Access (3rd-year)**  
 Divit P  
 Arjun Adhithya RR  
 Hemanth Reddy AR




**2nd Prize**  
**LITE READ (2nd-year)**  
 Reshma S  
 Sharuka S  
 Priyitha P




**3rd Prize**  
**Team Crusades (1st-year)**  
 Mrithula J  
 Padma Priya R  
 Raju V

**St. Joseph's College of Engineering**  
**YOU CHOOSE. WE DO IT**  
**St. Joseph's Institute of Technology**  
**WE MAKE YOU SHINE**



**The Choice of**  
**Disciplined Toppers**

6.

*The Department of Artificial Intelligence and Data Science, in association with IEEE SMC Society, Student Branch , SJCE, successfully conducted the BOT MEETS WORLD, an Idea Presentation. Students from various years showcased innovative ideas, demonstrating creativity and technical skills.*

*The event was graced by Principal Dr. Vaddi Seshagiri Rao, who interacted with the participants, appreciated their efforts, and complimented a few students for their active interaction.*



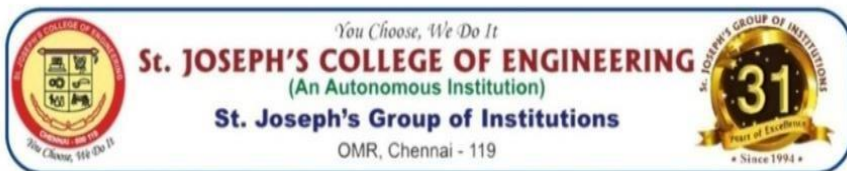
7.	STUDENT ACHIEVEMENTS/AWARDS/PRIZE WON BY STUDENTS	<p><i>The <b>Third Year students</b>, from the Department of Artificial Intelligence and Data Science have received a Financial Grant of <b>Rs.10,000</b> at the <b>Daksh'25 AI Hackathon</b>. This esteemed event was organized by <b>SASTRA</b>, A Deemed University at Thanjavur from March 7th to 9th, 2025.</i></p> <p><i>The team's innovative project, titled "<b>Kavach: A Police Assistance and Citizen Safety Model</b>", stood out among 500 registered teams. After a rigorous selection process, our team was among the top 50 shortlisted</i></p>
----	---	---



*teams for the final hackathon. The hackathon was conducted continuously for three days (72 hours) at their campus.*

*Our Department Final Year Students, Ms. Sneha S and Mr. Vishal G B, have cleared the GATE Exam with flying Colors.*

*Ms.Sneka S, GATE Score: 34.33, Percentile: 91.78*



**St. JOSEPH'S COLLEGE OF ENGINEERING**

(An Autonomous Institution)

**St. Joseph's Group of Institutions**

OMR, Chennai - 119

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE**

**&  
DATA SCIENCE**

*Congratulations*

**GATE 2025 QUALIFIED STUDENTS**



**SNEKHA S**

Gate Score : 34.33

Percentile: 91.78



**VISHAL G B**

Gate Score : 31.42

Percentile: 89.31

*Mr. Vishal G B, **GATE Score: 31.42,**  
**Percentile: 89.31***

*Our Department, **Final Year**  
**Student, Ms. Jenina Angelin D,** has  
won the **Best Paper Award** in **5th**  
**International Conference on Advances**  
**in Management and Technology.***

**BATCH : 2021 - 2025**



*Our Department Third Year students, Mr. Santhosh M, Mr. Surendhan A and Mr. Sukin Raj M along with Mr. Arisuthan C from the Department of Information Technology have presented their Research Work, titled " EM-DRNet: Efficient-Mamba Vision Model for Early Detection and Classification of Diabetic Retinopathy " at the ICFTS 2025 International Conference.*





A Team of Students from the Department of **Artificial Intelligence and Data Science** and MBA (Integrated) have won **First prize** with **Cash Prize of Rs.10,000** in **Github Sponsored Hackathon, Ossome Hacks 2.0** conducted by **SRM IST, Kattankulathur, Chennai**

1. Ms. Nandhika.A II ADS
2. Mr. Lokesh.K, II ADS
3. Mr. Vaigunda Mani, II MBA(Integrated)
4. Mr. Jude Allen. A, III ADS

**Title:** Automated Shoplifting Detection,  
**Domain:** AI & ML

**Position & Cash Award:** First Prize,  
Rs. 10,000/- and a gift coupon worth  
1080 dollars.



*Our Department, **Final Year** Student, **Ms. Jeevitha M**, has been honored for her Unmatched Expertise in **AWS Community Builders**, Amazon Web Service.*

*The AWS Community Builders program is a global initiative by Amazon Web Services (AWS) that recognizes and supports individuals who are passionate about cloud*

**St. JOSEPH'S**  
COLLEGE OF ENGINEERING  
An Autonomous Institution, Affiliated to Anna University

"CELEBRATING OUR STUDENT:  
HONOURED FOR HER UNMATCHED EXPERTISE,  
RESERVED FOR INDUSTRY LEADERS!"

**AWS**  
community  
**builders**

AI Engineering Category  
**Ms. JEEVITHA M**  
BATCH : 2021-25, DEPT OF ADS  
PEP - CLOUD COMPUTING & DEVOPS CENTRE

**Cloud Clubs**  
Certified Instructor

**aws amazon**

St. JOSEPH'S GROUP OF INSTITUTIONS, OMR, CHENNAI - 119  
[www.stjosephs.ac.in](http://www.stjosephs.ac.in)

*computing and the AWS ecosystem. The program is designed for community leaders who actively share their knowledge and expertise, helping others learn about AWS services, best practices, and cloud technologies.*

Our Department, **Third Year Students,**  
**Mr. ASHWIN JAI R.A , Mr. ARUL**  
**PRASANTH S, Ms. HIMASRI S, Mr.**

		<p>AKASH R and Ms. ANGEL CATHERINE M, have won the First Place in BUILD – A – THON event of “ XENOTRONICS’25”, a National Level Technical Symposium held on 05/04/2025, organized by AGNI College of Technology, Chennai</p>
--	--	--





--	--	--

8.	INDUSTRIAL PROJECTS DONE BY STUDENTS/ / INTERNSHIP WITH STIPEND	-
9.	PUBLICATIONS(ONLY PUBLISHED) DETAILS	<p><i>Our Department Faculty, Dr. Ramya R, Associate Professor, has successfully published a paper titled “Distributed blockchain assisted secure data aggregation scheme for risk-aware zone-based MANET” in the Journal “Scientific Reports” and Indexed in SCIE.</i></p> <p><i>Our Department Faculty, Dr. Baghia Laxmi R, Assistant Professor, has successfully published a paper titled, “DAI-BO Integrated Intelligent Lens Beam forming for Dynamic 5G Network Optimization”, in 2024 International Conference on System, Computation, Automation and Networking (ICSCAN), and Indexed in Scopus.</i></p>

		<p><i>Our Department Faculty, Dr. Baghia Laxmi R, Assistant Professor, has successfully published a paper titled, “Design a 6 GHz MODEM for Vehicular Ad Hoc Networks (VANET'S)”, in 2024 International Conference on System, Computation, Automation and Networking (ICSCAN), and Indexed in Scopus.</i></p> <p><i>Our Department Faculty, Dr. Baghia Laxmi R, Assistant Professor, has successfully published a paper titled, “Micro Patch Log-Periodic Antenna with Dielectric Resonator 6 GHz Networks (VANET'S)”, in 2024 International Conference on System, Computation, Automation and Networking (ICSCAN), and Indexed in Scopus.</i></p> <p><i>Our Department Faculty, Ms. Sathya V, Assistant Professor has successfully participated in the Online Workshop</i></p>
--	--	---

		<i>on “Conference and Journal Paper Writing with AI Tools”, organized by LMS Solution, held on 8<sup>th</sup> March, 2025.</i>
--	--	--



## STAFF CONFERENCE PRESENTATION /PATENT PUBLISHED/STAFF NPTEL ONLINE CERTIFICATION/STAFF ACHIEVEMENTS

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202541016495 A
(19) INDIA	
(22) Date of filing of Application :25/02/2025	(43) Publication Date : 07/03/2025
(54) Title of the invention : AI and IoT-Based Smart Agriculture System for Crop Monitoring and Pest Control Technology	
(51) International classification	:G06Q0050020000, G06V0020100000, G06V0020130000, H04W0004380000, G16Y0010050000
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA
<p>(71)Name of Applicant :  1)Dr. B. Srinivasa Rao  Address of Applicant: Professor, Department of Computer Science and Engineering, Geethanjali College of Engineering and Technology, Chervyl, Medchal, Hyderabad, Telangana -501301 -----  2)Anushree G  J)Dr. Abhijit Ramakrishna Joshi  4)Durairaji V  5)Gagan H S  6)Dr. G. Ramakrishna  7)S. Shanthi  8)G. SharadRao  9)U. D. Prasan  10)Amadeep Nohria  Name of Applicant : NA  Address of Applicant : NA  (72)Name of Inventor :  1)Dr. B. Srinivasa Rao  Address of Applicant: Professor, Department of Computer Science and Engineering, Geethanjali College of Engineering and Technology, Chervyl, Medchal, Hyderabad, Telangana -501301 -----  2)Anushree G  Address of Applicant: Assistant Professor, Department of Artificial Intelligence and Data Science, CMR Institute Technology, Srinivasa Reddy Layout Aces Layout, Marathahalli, Bangalore, Karnataka -560037 -----  J)Dr. Abhijit Ramakrishna Joshi  Address of Applicant: Professor, Department of Information Technology, Shri Vile Parle Kelavani Mandal's Dnyanadas J. Sanghvi College of Engineering, Vile Parle (West), Mumbai, Maharashtra - 400058 -----  4)Durairaji V  Address of Applicant: Assistant Professor, Department of Artificial Intelligence &amp; Data Science, St. Joseph's College of Engineering, Chennai, Tamil Nadu -----  5)Gagan H S  Address of Applicant: Faculty in Computer Science, Department of Computer Science and Application, Kodaikanal University, Anna Kaveri Campus, Chikla Alwar, Kodaikanal, Karnataka -571232 -----  6)Dr. G. Ramakrishna  Address of Applicant: Assistant Professor, Department of Computer Science &amp; Engineering, Dr. B. R. Ambedkar University, Sakshinagar, Andhra Pradesh -----  7)S. Shanthi  Address of Applicant: Assistant Professor, Department of Computer Science and Applications, Annamalai College For Women (Autonomous), Velvet, Tamil Nadu -----  8)G. SharadRao  Address of Applicant: Assistant Professor, Department of Computer Science and Design Karpagam College of Engineering, Coimbatore, Tamil Nadu -----  9)U. D. Prasan  Address of Applicant: Professor, Department of CSE, Aditya Institute of Technology and Management, Talukali, Andhra Pradesh -----  10)Amadeep Nohria  Address of Applicant: Assistant Professor, Department of Artificial Intelligence and Data Science, Guru Jambheshwar University of Science &amp; Technology, Huzar, Haryana -----</p>	

***Our Department Faculty, Mr. Durairaji V, Assistant Professor, has successfully published a Patent titled, “AI and IoT-Based Smart Agriculture System for Crop Monitoring and Pest Control Technology”.***

***Our Department Faculty, Mr. Senthil Kumar D, Assistant Professor, has successfully published a Patent titled, “Effective***



Office of the Controller General of Patents, Designs & Trade Marks  
Department for Promotion of Industry and Internal Trade  
Ministry of Commerce & Industry,  
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202541012110
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/02/2025
APPLICANT NAME	1 . K. Pandeyan 2 . Dr. Gopichand Nimbarte 3 . Mr. Vikrant Dhenge 4 . Dr. R. Kalavani 5 . Sathish D 6 . Dr. Abhijit Ramesh Rao Joshi 7 . S. Kamalakkannan 8 . Aishwaryaa LK 9 . Senthil Kumar D 10 . P. Kavitha
TITLE OF INVENTION	Effective Alert System For Farmers By Observing And Automation Of Agricultural Field Location Using IoT Devices
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	21/02/2025

***Alert System for Farmers By Observing And Automation Of Agricultural Field Location Using IoT Devices”.***

***Our Department Faculties, Dr. Ramya R, Associate Professor and Dr. Nisha A S, Assistant Professor, have successfully completed the NPTEL ONLINE CERTIFICATION on “Edge Computing”.***



Elite

## NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR R RAMYA**  
for successfully completing the course

**Edge Computing**

with a consolidated score of **82** %

Online Assignments	24.58/25	Proctored Exam	57.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1487**

**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2025**  
(8 week course)

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur

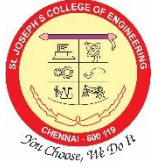


Roll No: NPTEL25CS28S443301726

To verify the certificate



No. of credits recommended: 2 or 3



# **St. Joseph's College of Engineering**

**St. Joseph's Group of Institutions**

**OMR, Chennai – 119.**



***Date: 25.03.2025***

***To***

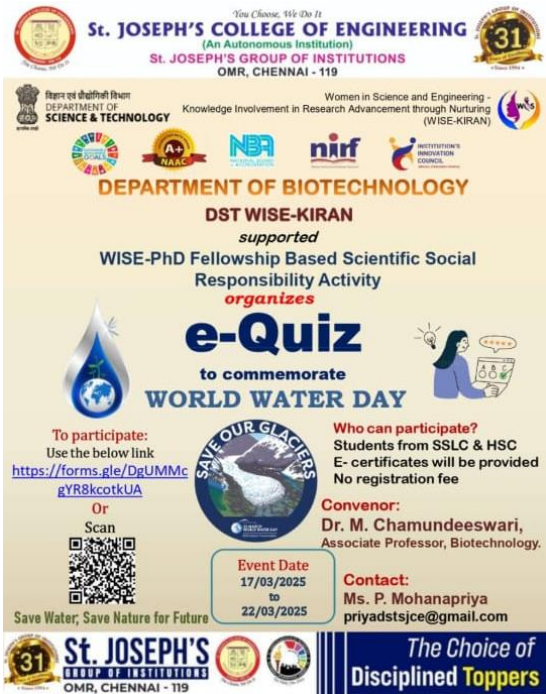
***The***

***Principal***

***St. Joseph's College of  
Engineering***

***OMR, Chennai – 119.***

## DEPARTMENT OF BIOTECHNOLOGY

S.No.	Title of the Events and Photographs	Details of the Event
1.	<p><b>COLLABARATIVE QUALITY INITIATIVES WITH OTHER INSTITUTIONS</b></p> 	<p>Department of Biotechnology in support with DST WISE-KIRAN organizes e-Quiz to commemorate World Water Day between 17<sup>th</sup> and 22<sup>nd</sup> of March 2025 for 11<sup>th</sup> and 12<sup>th</sup> grade students</p>
2.	<p><b>INDUSTRIAL VISIT</b></p>	<p>Third-year students visited AVA Cholayil Health Care Pvt Ltd, Thirumazhisai on 12<sup>th</sup> of March.</p>





### GUEST LECTURE

**31 St. JOSEPH'S GROUP OF INSTITUTIONS**  
OMR, CHENNAI - 119

**GUEST LECTURE ON**  
**"Solving Global problems through Engineering"**

**For**  
III yr Chemical  
III yr Bio-Technology  
Students

**RESOURCE PERSONS**

**Prof Andrew Ross**  
Associate Professor  
School of Chemical and Process Engineering  
University of Leeds

**Dr Manoj Ravi**  
Lecturer  
School of Chemical and Process Engineering  
University of Leeds

AV Hall, Central Library  
St. Joseph's College of Engineering

11/03/2025, Tuesday  
Time: 10.30 a.m - 12.00 p.m

**St. Joseph's College of Engineering**  
**YOU CHOOSE, WE DO IT**

**St. Joseph's Institute of Technology**  
**WE MAKE YOU SHINE**

**The Choice of Disciplined Toppers**

Guest lecture was organised for the II year students on 11.03.2025 on the topic Solving Global problems through Engineering( delivered by Dr.Andrew Ross and Dr.Manoj Ravi, School of Chemical and Process Engineering, University of Leeds.

### 4. BIOTECH CLUB ACTIVITY

5.	<p><b>FDP/WORKSHOP/CONFERENCE/SKILL DEVELOPMENT</b></p>  <p><i>Dr. S. Justin Packia Jacob – a copy of proof</i></p>	<p>Dr. S. Justin Packia Jacob, has attended 16 days Entrepreneurship Awareness Program organized by Turnip innovations</p>
6.	<p><b>SYMPOSIUM</b></p>	
7.	<p><b>WORKSHOP</b></p>	<p>One day Workshop on Nanomaterial Characterization using Simultaneous Thermal Analyzer on 13<sup>th</sup> March 2025 supported by DST-FIST</p>

		
8.	VALUE ADDED COURSES	-
9.	COMPETITIONS ATTENDED BY STUDENTS	<p>Yaamini B and Yazhini A have won 2<sup>nd</sup> position in “Design Showcase” conducted during Medverse 25 by Dr. MGR Educational and Research Institute held between 24<sup>th</sup> of March under mentorship of Dr. M. Shree Rama.</p> <p>Kalkieshwari V, Harini K and Yazhini A have won 3<sup>rd</sup> position in “Expert panel” conducted during Medverse 25 by Dr. MGR Educational and Research Institute held between 24<sup>th</sup> of March</p>



**Yamini B – a copy of certificate**



**Kalkieshwari V – a copy of certificate**

**Jafferin D.R, Dhivyadharshini K and Trisha M.A participated and won 1<sup>st</sup> prize in “BioModeling” which was conducted by SIMATS Engineering, Saveetha Institute of Medical and Technical Sciences on 13-14<sup>th</sup> March 2025.**

**Arjun S, Karthik P, Mohanakrishnan S and Sai Srinivas S have participated in the paper presentation and won 2<sup>nd</sup> prize, at Texus’25 conducted by SRM Institute of Science and Technology on 28<sup>th</sup> and 29<sup>th</sup> of March 2025**

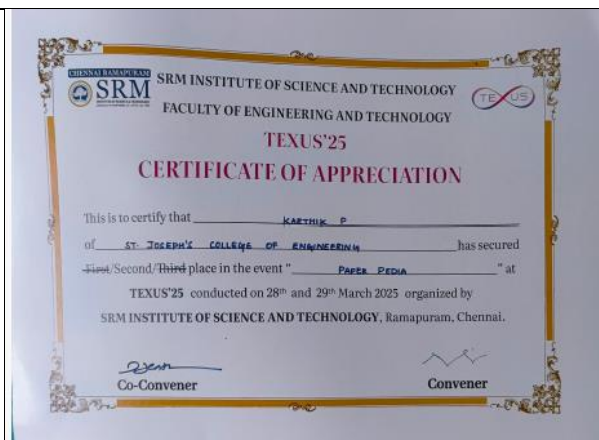
**Ilakiya T and Keerthana SL have participated in the paper presentation and won 2<sup>nd</sup> prize at Intersect 25 conducted by CSRI-CECRI on 27<sup>th</sup> and 28<sup>th</sup> of March.**



**Dhivya Dharshini K – a copy of certificate**

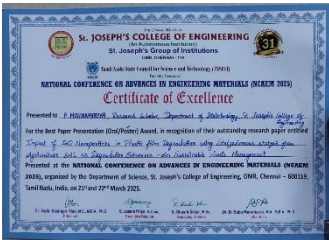








**Karthik P – a copy of certificate**



	Ilakiya T – a copy of certificate	
10.	<p><b>AWARDS WON BY FACULTY/STAFF ACHIEVEMENTS</b></p>   <p><b>Dr. M. Chamundeeswari – a copy of certificate and proof</b></p>	<p>Dr. Chamundeeswari's research scholar Ms. Mohanapriya P presented a poster in the National Conference on Advances in Engineering Materials and got Best Paper poster award on 21<sup>st</sup> and 22<sup>nd</sup> March 2025</p> <p>Dr. G. Baskar has been invited as Distinguished guest of honor in the THRIVE 2025 organized by IIT Jodhpur</p>

	<div data-bbox="360 199 1294 735">  </div> <p data-bbox="360 774 784 810"><b>Dr. G. Baskar – a copy of proof</b></p>	
11.	<b>INDUSTRIAL PROJECTS DONE BY STUDENTS</b>	-

## PAPER PUBLICATIONS/ BOOK CHAPTERS/PATENT PUBLICATIONS

12.



**Dr. G. Baskar – a copy of proof**

Dr. G. Baskar has published a research paper entitled “Enhanced antimicrobial activity of tethered multi-cationic surfactants: A novel approach to combat microbial resistance” in the Journal of Molecular Structure

Dr. G. Baskar work has been recognized as top cited article in Environmental Progress and Sustainable Energy for the article “Esterification of oleic acid to biodiesel using biowaste-based solid acid catalyst under microwave irradiation”

Ms. A. Anli Dino, published a research paper entitled “Bioplastic production using waste macroalgal biomass: A holistic review on challenges, prospects, economic viability and sustainability analysis” in the Journal of Environmental Chemical Engineering



*Dr. G. Baskar – a copy of proof*



Bioplastic production using waste macroalgal biomass: A holistic review on challenges, prospects, economic viability and sustainability analysis

A. Anli Dino<sup>a</sup>, G. Kishore<sup>b</sup>, Samuel Lalhazuala Rokhum<sup>c</sup>, Gurnathan Baskar<sup>a,d,\*</sup>

<sup>a</sup> Department of Biotechnology, St. Joseph's College of Engineering, Chennai 600119, India  
<sup>b</sup> Department of Biotechnology, Karpagam Vignesh College of Engineering and Technology, Chengalpattu 603308, India  
<sup>c</sup> Department of Chemistry, National Institute of Technology Sikkim, Gangtok, India 736103, India  
<sup>d</sup> EIT-2021 Graduate School of Converging Science and Technology, Korea University, Seoul 02841, Republic of Korea

ARTICLE INFO

**Keywords:**  
Macroalgae  
Bioplastic production  
Economic viability  
Environmental sustainability  
Production optimization  
Pollution mitigation  
Interdisciplinary approach

ABSTRACT

Plastic pollution has emerged as a critical environmental issue, underscoring the urgent need for sustainable alternatives such as bioplastics. While traditional bioplastics are typically derived from sources like corn starch, sugarcane bagasse, wheat starch, and chitosan, newer options like macroalgae are gaining traction as viable feedstocks. This comprehensive review delves into the diverse advantages of utilizing macroalgae-based bioplastics, including their rapid growth rate, minimal land requirements, and the potential for utilizing waste biomass. These inherent benefits position macroalgae as an appealing source, particularly for industries such as packaging, agriculture, and medical applications like wound dressings. Moreover, the greenhouse gas emissions associated with macroalgae bioplastics are significantly lower than those generated by conventional plastics. From an economic standpoint, the scalability of macroalgae-based bioplastic production holds promise for cost-effectiveness. However, achieving competitive costs hinges on advancements in cultivation and extraction techniques. Sustainability assessments further underscore the environmental promise of macroalgae-based bioplastics, particularly if energy-efficient processes are adopted to mitigate emissions and environmental impact. Despite the encouraging outlook, several key technical challenges must be addressed, such as refining extraction methods and enhancing the mechanical properties of macroalgae-based bioplastics to meet industry standards. This review emphasizes the critical role of interdisciplinary research and cross-sector collaboration in surmounting these challenges and advancing a circular economy. The development of bioplastics from macroalgae presents a compelling opportunity to combat plastic pollution while simultaneously enhancing environmental and economic sustainability.

1. Introduction

The production of plastic worldwide exceeds a staggering 390 million tons annually, with over 40 % of this being single-use plastic that is quickly discarded after its initial use [1]. This has created a significant waste management challenge, as approximately 11 million tons of plastic end up in the world's oceans each year. This figure is projected to nearly triple by 2040 if current production and disposal practices continue [2]. The impact of plastic pollution on marine life is particularly concerning, with creatures ranging from tiny planktons to majestic mammals falling victim to ingestion or entanglement in plastic debris [3]. Research has shown that over 90 % of seabirds and 92 % of sea turtles have consumed plastic fragments, putting their survival and

reproductive success at risk. Additionally, the leaching of toxic additives and microplastics from plastic waste into water and soil has led to contamination of food chains, posing potential health risks for humans through seafood consumption [4]. In addition to its detrimental effects on marine ecosystems, the plastic industry also plays a significant role in exacerbating climate change. It is estimated that the industry contributes approximately 4–6 % of global greenhouse gas emissions, primarily due to fossil fuel extraction and the manufacturing processes involved in plastic production [5]. Given the environmental challenges posed by plastic pollution, there is an urgent need for alternative materials that can help reduce plastic dependency. Bioplastics, derived from renewable resources, have gained significant attention as a potential solution.

Bioplastics are derived from renewable resources such as corn starch,

\* Corresponding author at: Department of Biotechnology, St. Joseph's College of Engineering, Chennai 600119, India.  
E-mail address: [baskar@stjoe.ac.in](mailto:baskar@stjoe.ac.in) (G. Baskar).

<https://doi.org/10.1016/j.jece.2025.116108>  
Received 13 September 2024; Received in revised form 4 March 2025; Accepted 6 March 2025  
Available online 10 March 2025  
2213-3457/© 2025 Elsevier Ltd. All rights reserved, including those for text and data mining, AI training, and similar technologies.

Mrs. A. Anli Dino – a copy of proof


## DEPARTMENT OF CIVIL ENGINEERING

Sl. No.	Photographs Captured During Events (Briefs About the Photographs)	Corresponding remarks (Minimum 300 words) in regarding the status of activity execution stating
1.	Industrial Visits, In plant trainings, Internships	The Department of Civil Engineering organized an Industrial Visit for III-year students on March 13, 2025, to Adani Ports, Kattupalli. This visit was aimed at enhancing students' understanding of large-scale port operations, logistics, and infrastructure management. During the visit, students were given an insightful tour of the Port Operations Building, where they learned about the advanced cargo handling systems, container storage facilities, and maritime logistics. Experts at Adani Ports provided a detailed presentation on civil engineering applications in port construction, maintenance, and expansion projects.
2.	Guest Lecture / Webinar Organized	Guest Lecture on “From Assessment to Action: The Importance of EIA in Decision Making for Future Engineers & Planners” for Third Year Students. The session was conducted on 24.3.2025 during 1 to 3 pm in Conference Hall, MBA Block, St.Joseph’s College of Engineering. The lecture was delivered by Mr.B.Poornachander, Environmental Consultant ,Surbana Jurong India Pvt Limited(SJIPL),Mumbai. The lecture titled for Civil Engineering students would likely focus on the critical role of Environmental Impact Assessments (EIA) in the planning and development process.

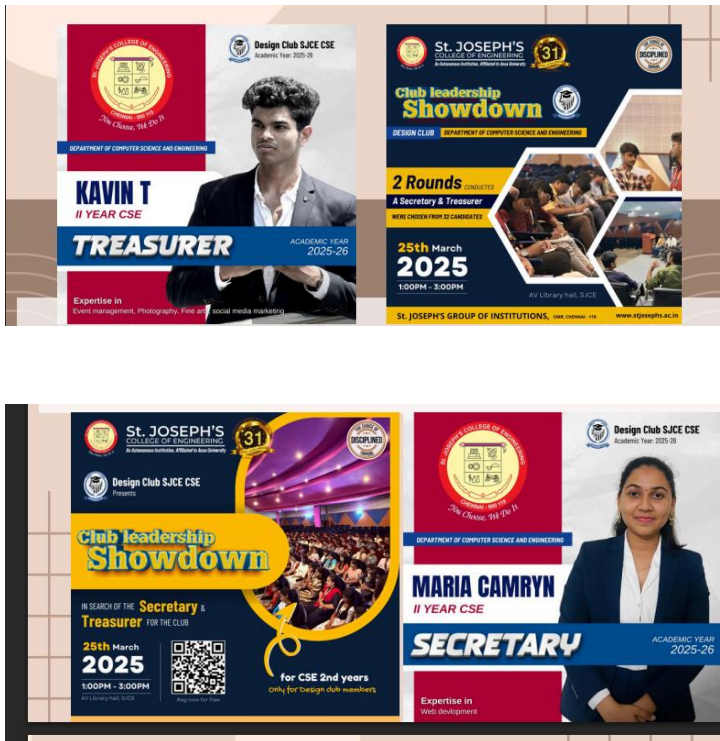
3.	<b>FDP/Workshop/Conference attended</b>	<p>The Department of Civil Engineering successfully conducted a Two Days Hands on Workshop titled “PRIMAVERA SOFTWARE” for Third Year Students. The session was conducted on 26.3.2025 and 27.3.2025 during 9am to 3 pm in Civil CAD Laboratory, St.Joseph’s College of Engineering. The workshop was delivered by MoU tied company named De Novo Software Solutions. The entire workshop is handled by Mr.N.Pradeep Narayanan , CEO, De Novo Software Solutions and assisted by his team member Mr.Hemanth Kumar.</p>
4.	<b>Awards/Prize won by students</b>	<p>1. Ms Ishana of Batch 2021-2025 appeared for the Civil Engineering (CE) paper and secured a GATE score of 317, with an All India Rank (AIR) of 13,167. Her determination and hard work have set an example for aspiring engineers aiming to pursue higher studies and professional careers in the field of civil engineering.</p> <p>2. Our Final and Third Year students have won a total of 8 Position in 3 Different Categories i.e Champion, Winners and Notable Participants in the FOSSEE Geospatial Mapathon 2024 (Edition IV) event conducted by IIT Bombay. As per IIT Bombay, this is the world’s biggest open-source based geospatial mapping challenge to be conducted in 2024. It is to be noted that, more than *2700+ teams have participated and only 134 teams have won.</p> <p><b>Champions:</b> Ishana M &amp; Leherijah S</p> <p><b>Title:</b> Heat Stroke Fatalities and Impacts in India</p> <p><b>Winners:</b></p> <p>Shaaran K M</p> <p>Suthish G</p>


		<p>Rakesh Kanna R</p> <p>Krithika S</p> <p><b>Notable Participants:</b></p> <p>Rathisha R</p> <p>Manju Priya K</p> <p>Harini M</p>
5.	<b>Other activities (if any)</b>	Ms Sanserin P got placed in Hitachi Energy with 6LPA.



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1	<p>CSI - Guest Lecture- Building the backbone of maritime operations: The role of IT infrastructure</p> 	<p><b>Date</b> : 26.03.2025</p> <p><b>Venue</b> : Placement block</p> <p><b>Nature of Event</b> : Guest Lecture</p> <p><b>Participants</b> : II year Students</p> <p><b>Organized by</b> : Department of CSE (CSI)</p> <p><b>Objective</b> :</p> <ul style="list-style-type: none"> <li>• This insightful guest lecture delves into the pivotal role of IT infrastructure in revolutionizing maritime operations.</li> <li>• Industry experts will explore how robust technological frameworks ensure seamless communication, efficient cargo management, and real-time navigation.</li> </ul> <p><b>Outcome</b> :</p> <ul style="list-style-type: none"> <li>• Building the backbone of maritime operations through robust IT infrastructure is pivotal in enhancing efficiency, safety, and sustainability within the maritime industry.</li> </ul>



2	Design Club	
		<p><b>Date</b> : 25th March 2025</p> <p><b>Venue</b> : Library AV Hall</p> <p><b>Nature of Event</b> : Design Club</p> <p><b>Participants</b> : II year Students</p> <p><b>Organized by</b> : Department of CSE</p> <p><b>Objective</b> :</p> <ul style="list-style-type: none"> <li>• Encourage members to think outside the box and explore new ideas.</li> <li>• Introduce members to design thinking principles, emphasizing empathy, ideation, and prototyping.</li> </ul> <p><b>Outcome</b> :</p> <ul style="list-style-type: none"> <li>• Members acquire technical and soft skills, including proficiency in design software and teamwork.</li> <li>• Creation of a diverse portfolio showcasing individual and collaborative projects.</li> </ul>

3	EEC - Employability Enhancement Course	
		<p><b>Date</b> : 17-03-2025 to 22-03-2025</p> <p><b>Venue</b> : CSE Lab 12<sup>th</sup> Block</p> <p><b>Nature of Event</b> : Employability Enhancement Course</p> <p><b>Participants</b> : III year Students</p> <p><b>Organized by</b> : Department of CSE</p> <p><b>Objective</b> :</p> <ul style="list-style-type: none"> <li>• To bridge the gap between academic knowledge and the practical skills required in the workplace.</li> <li>• Equip students with the skills, attitudes, and knowledge needed to successfully secure and retain employment.</li> <li>• Introduce industry-relevant tools, technologies, and platforms depending on the career field.</li> </ul> <p><b>Outcome</b> :</p> <ul style="list-style-type: none"> <li>• students will be more confident, industry-ready, and better positioned for successful employment or internships.</li> </ul>



		
4	INDUSTRIAL VISIT	
		<p> <b>Date</b> : 12.03.2025, 13.03.2025 &amp; 14.03.2025  <b>Venue</b> : Image Creation , Adyar, Chennai  <b>Nature of Event</b> : Industrial Visit  <b>Participants</b> : III year Students  <b>Organized by</b> : Department of CSE </p> <p> <b>Objective:</b> <ul style="list-style-type: none"> <li>Gen AI Focus: Their curriculum is designed to keep pace with the latest trends in Gen AI and creative tech industries.</li> <li>Comprehensive Course Offerings: They offer a wide range of courses, including 3D Animation and VFX, Graphic and Web Design, Game Technologies, and Fashion Design. <b>Outcome:</b></li> </ul> </p>



- Students will be able to describe and identify the tools and technologies used in image creation.
- Learners will understand the end-to-end workflow of image production, from conceptualization to final output.



## DEPARTMENT OF MECHANICAL ENGINEERING

Sl No	Name of the Activity	Remarks
1	<p><b>INDUSTRY ACADEMIA CONCLAVE IANC 2025</b></p>  	<p>➤ The first Industry Academia Networking Conclave (IANC-2025), focused on “SMART AND SUSTAINABLE MANUFACTURING” was organized by the Department of Mechanical Engineering, St. Joseph’s College of Engineering, on March 21, 2025, at AV Hall, Central Library. The forum brings together experts from reputed industries to share knowledge, experience, and technology, advancing science, technology, and collaboration opportunities. The Chief Patron Dr. B. Babu Manoharan, Chairman, and Patron Mr. B. Shashi Sekar, Managing Director, St. Joseph’s Group of Institutions presided over the function. The Principal, Dr. Vaddi Seshagiri Rao, Chaired the event. The convenor Dr. N. Arunkumar, Dean-Industrial Collaborations and IQAC, and co-convenor Dr. L. Balamurugan, HOD-Mechanical welcomed the industrial delegates. The prolific speakers hail from esteemed industries, with extensive knowledge and cultivated expertise, and have given their perspectives on smart and sustainable manufacturing. Dr. Suresh PS, GD &amp; DH Airframe Directorate, Aeronautical Development Agency, Ministry of Defence, GOI, Dr. Vinodh Mewani, Senior Principal Engineer, Head - IPR &amp; KM, Mahindra and Mahindra Ltd, Dr. Shankar Krishnapillai, Professor, Machine Design, IIT, Madras, Mr. Suresh Kayamboo, VP &amp; Group Vertical Head Renault Nissan Technology</p>

		<p>&amp; Business Centre India, Mr. Vasudeva Rao, Associate VP Rane Engine Valves Ltd, and Dr. A. J. Jegadheeson, Head Manufacturing Methods Engineering &amp; Consultant, Lucas TVS, Padi.</p> <p>➤ A total of 55 industrial participants from 35 Industries of repute in and around Chennai, Tamilnadu, participated in paving the way to networking capabilities augmenting academics, research, innovation, employability, and productivity through different measures, aiming at making a business out of INNOVATION.</p>
2	INSTITUTE INDUSTRY INTERACTION	<p>➤ Dr. K. Arun, Associate Professor, Department of Mechanical Engineering had interactions with Manager - HR at Igarashi Motors India Ltd. (primarily engaged in the production and export of DC motors for automotive sectors), &amp; Senior Manager - HR at Violin Technologies Pvt. Ltd. (specializes in complex and innovative electro mechanical products tailored for industrial, medical, mobility, green energy and aerospace sectors) and Head – Operations at Geo Prompt Systems (retrofitting of CNC machines, PLC and CNC automations, Special purpose machines)</p> <p>Outcomes of the Visit: Guest Lectures, Knowledge Sharing, Internships and Placements.</p>



**St. JOSEPH'S COLLEGE OF ENGINEERING**  
*You Choose, We Do It*  
 (AN AUTONOMOUS INSTITUTION)  
 OMR, CHENNAI - 119

**DEPARTMENT OF MECHANICAL ENGINEERING**  
 INDUSTRY INSTITUTE INTERACTION

**Dr. K. Arun, Associate Professor**  
 had interactions with



12TH MARCH 2025,  
 WEDNESDAY

**Manager - HR, Igarashi Motors India Ltd.**  
 (engaged in the production and export of DC motors for automotive sectors)

&

**Senior Manager - HR, Violin Technologies Pvt. Ltd.**  
 (specializes in complex and innovative electro mechanical products tailored for industrial, medical, mobility, green energy and aerospace sectors)

&

**Head - Operations, Geo Prompt Systems**  
 (retrofitting of CNC machines, PLC and CNC automations, Special purpose machines)

**Outcomes of the Visit:**  
 Guest Lectures, Knowledge Sharing,  
 Internships and Placements

**St. JOSEPH'S**  
 GROUP OF INSTITUTIONS  
 OMR, CHENNAI - 119

*The Choice of  
 Disciplined Toppers*

3 **FACULTY ACHIEVEMENTS**

- Mr. M.SIVA, Assistant Professor from Department of Mechanical Engineering received NPTEL Discipline Stars award . he successfully completed 72 week in NPTEL course with 2 gold medals (Top 1%) and 4 silver metals (Top 2%)
- Mr. Sathishkumar Natesan, Assistant Professor in the Department of Mechanical Engineering, has been recognized as an Outstanding Reviewer for Surface Topography: Metrology and Properties by IOP Publishing as



part of the Outstanding Reviewer Awards 2024. This prestigious recognition highlights his invaluable contributions in maintaining the quality and integrity of scientific publications. He has completed 37 reviewer assignments over the past four years for prestigious journals from Elsevier, Springer, IOP, and other renowned publishers. His outstanding contributions have earned him the 'Excellent Reviewer' status five times and the 'IOP Trusted Reviewer' recognition in June 2024.

- Dr. T. Gavaskar, Assistant Professor from the Department of Mechanical Engineering has published a paper entitled " Impact of metal oxide-based nanofluids in solar flat plate collectors and energy assessment of diverse nanofluids", Journal of Thermal Analysis and Calorimetry on 21st February 2025.
- Dr. T. Gavaskar, Assistant Professor from the Department of Mechanical Engineering has published a paper entitled "Enhanced Feedback Residual Attention Network with Slanted Scarce Auto-Encoder and IoT Based Industrial Waste Water Treatment System for Effective Waste Management", IEEE Xplore Scopus Indexed Conference on 27th February 2025.
- Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has published a Scopus Indexed Book Chapter entitled "AI-Driven Innovation Powering Economic Growth in Industry 4.0", IGI Global Scientific Publishing on 15th March 2025.
- Mr. G. Ashwin Prabhu, Assistant Professor from the Department of

		<p>Mechanical Engineering has Successfully Published a Patent titled "Computational Linguistic Smart Assistant for Coding for the Blind" on 14/03/2025. Application No: 202541017956 A. Dr. R. Sathish, Professor from the Department of Mechanical Engineering has published a journal titled "Impact of Zirconium Oxide and Tantalum Carbide Powder Coatings by Plasma Spraying Techniques on Engine Performance" Volume 60, Issue 5, Pages 959-969, Publisher, Pleiades Publishing</p> <ul style="list-style-type: none"> <li>➤ Mr. M. Subramanian, Assistant Professor from the Department of Mechanical Engineering has been awarded with a Reviewer Certificate in IAES (International Journal of Artificial Intelligence) by Institute of Advanced Engineering Science which is SCopus indexed journal community.</li> <li>➤ Dr. Vaddi Seshagiri Rao, Professor &amp; Principal from the Department of Mechanical Engineering has published a journal titled "ENVIRONMENTAL ASSESSMENT OF CORN STARCH BASED BIODEGRADABLE PLASTIC WITH GLYCEROL AND FRUCTOSE" in global nest Journal.</li> <li>➤ Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering Published an article titled "Deep Reinforcement Learning for Autonomous Navigation in Unknown Environments" in Scopus Indexed Q4 Journal "Journal of Information Systems Engineering and Management" on 18th March 2025.</li> <li>➤ Mr. G. Ashwin Prabhu, Assistant Professor from the Department of</li> </ul>
--	--	---




		<p>Mechanical Engineering has Successfully Published an Indian Utility Patent titled "Experimental Study on the Mechanical and Thermal Properties of Basalt Fiber and Nanoclay Reinforced Polymer" on 21/03/2025. Application No: 202541011271 A.</p> <ul style="list-style-type: none"> <li>➤ Mr. G. Ashwin Prabhu, Dr. T. Gavaskar &amp; Dr. M. Ganesh, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Mechanical and Environmental Performance of Curaua Fiber Composites: A Sustainable Alternative to Wood And PVC" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</li> <li>➤ Mr. G. Ashwin Prabhu &amp; Mr. M. Siva, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Mechanical Analysis and Advanced Manufacturing of Eco-Friendly Groundnut Shell Powder Reinforced Epoxy Composites" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</li> <li>➤ Mr. G. Ashwin Prabhu, Assistant Professor &amp; Dr. G. M. Lionus Leo, Associate Professor from the Department of Mechanical Engineering has presented a paper entitled "Dynamic Mechanical Analysis of Carbon Fiber</li> </ul>
--	--	---

		<p>Reinforced Polymer Composites" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</p> <ul style="list-style-type: none"> <li>➤ Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Enhancing Mechanical and Thermal Properties of Glass Fiber-Reinforced Epoxy Composites with Silicon Carbide Additives" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</li> <li>➤ Mr. G. Ashwin Prabhu &amp; Mr. R. Rangaraja, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Development and Evaluation of Mechanical Properties in Sisal-Glass Fiber Reinforced Epoxy Composites" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</li> <li>➤ Mr. G. Ashwin Prabhu (AP), Dr. R. Selvam (ASP), Mr. K. Muninathan, Mr. J. Vijayanand, Mr. P. Premkumar, Mr. Ruskin Bruce A, Mr. Sakthivel D &amp; Mr. T. Balasubramanian, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Mechanical Characterization of Hybrid Basalt Fiber Composites with Silicon Carbide</li> </ul>
--	--	--

		<p>Fillers" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</p> <ul style="list-style-type: none"> <li>➤ Mr. G. Ashwin Prabhu, Assistant Professor &amp; Dr. K M Kumar, Associate Professor from the Department of Mechanical Engineering has presented a paper entitled "Mechanical Characterization of Kevlar 49 and Pina Fiber Hybrid Composites" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</li> <li>➤ Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Enhancing Thermal Load Protection in GFRP Composites: The Role of Aluminum Reinforcement" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</li> <li>➤ Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Comprehensive Experimental Analysis of the Mechanical Properties and Enhancements of Natural Fiber Composites" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of</li> </ul>
--	--	--



		<p>Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</p> <ul style="list-style-type: none"> <li>➤ Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Evaluating the Durability and Environmental Sustainability of Hybrid Natural - Synthetic Fiber Composites" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</li> <li>➤ Mr. G. Ashwin Prabhu (AP), Dr. G. M. Lionus Leo (ASP), Mr. K. Gnanasekaran &amp; Dr. M. Arun, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Enhancing Mechanical Performance in Hybrid Composites using Silicon Carbide and Aluminium Oxide Fillers" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical Engineering, on 21st &amp; 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India.</li> <li>➤ Mr. G. Ashwin Prabhu, Mr. K. Muninathan &amp; Mr. N Sathishkumar, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Enhancing Epoxy-Based Materials with Tamarind Seed Powder: A Sustainable Approach to Reinforcing Composites" in the 2nd International Conference on Materials and Energy Section (ICMES - 2025) organized by Department of Mechanical</li> </ul>
--	--	--



		Engineering, on 21st & 22nd March 2025 at Aditya University, Kakinada District, Andhra Pradesh, India
5	STUDENT ACHEIVEMENTS	<ul style="list-style-type: none"> <li>➤ Mr. Darshan M, II Year Mechanical Student Position-III in Circuit Debugging Minnal '25 Organized by SIMATS School of Engineering, Thandalam with a cash prize of Rs. 500/- Mr. Arjun P, III Year Mechanical Student Position-II in CAD Modelling, IMPULSE'25 event organized by R.M.K Engineering College, Thiruvallur with a cash prize of Rs 750/ Mr.Ajin N P, Mr.Binol Breejo, Mr.Dheena S, II Year Mechanical Students Position-II in Cognitaire, IMPULSE'25 event organized by R.M.K Engineering College, Thiruvallur with a cash prize of Rs 750/-</li> <li>➤ Mr. Antony Raja Renish A M, III Year Mechanical Student Position-I in Mr. Designer Trident'25 event organized by Velammal Institute of Technology, Chennai with a cash prize of Rs 1000/-. Mr. Antony Raja Renish A M, III Year Mechanical Student Position-I in CAD Challenge, TURBO'25 event organized by Rajalakshmi Engineering College, Chennai with a cash prize of Rs 1000/-</li> </ul>
6	NIRAL THIRUVIZHA <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;">               Gokul R           </div> <div style="text-align: center;">               Harlan Rhodicson           </div> <div style="text-align: center;">               Mentor              Mr. K. Pravinkumar              Assistant Professor           </div> </div>	<ul style="list-style-type: none"> <li>➤ Our Department of Mechanical Engineering final year students project proposal is being shortlisted in Naan Mudhalvan Niral Thiruvizha 2.0! Under a category of Agriculture/Food Tech and the title of project is "Advanced Mechanization and Hygienic Infrastructure Development for Jaggery Production Units". They proposed a fully automating jaggery production unit for small scale industries with less cost. They will receive a fund of 10000₹ to develop a prototype model</li> </ul>

7

**SCHOOL CAMPUS CONNECT PROGRAM**

- Under the School Campus Connect Program, a team of five faculty members from the Mechanical Department— Dr. T. Gavaskar, Dr. G. M. Lionus Leo, Mr. N. Sathish Kumar, Mr. M. Siva, and Mr. Sakthivel— visited Suddhananda Vidyalaya Matriculation Higher Secondary School, Chennai, on March 4, 2025. The session introduced 65 students to 3D Printing and Drone Technology through interactive discussions, fostering curiosity and excitement.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Sl. No.	Photographs Captured During Events	Corresponding remarks (Minimum 300 words)
1.	<p style="text-align: center;"><b>Guest Lecture</b></p>  <p style="text-align: center;"><i>PIC: EVENT PHOTO</i></p>	<p>Department of EEE of St. Joseph's College of Engineering organized a guest lecture on <b>"Application of AI in Electrical drives"</b> 14/03/2025 for third year EEE students. The resource person <b>Mr.Gowtham Swaminathan</b>, MLOPS Engineer, Neilson IQ, Chennai gave a session which provided students with an <b>future perspectives in Electric vehicle sector</b>. He also Highlighted machine learning applications for predictive maintenance and efficiency improvement and Discussed real-world case studies demonstrating AI's impact on performance and reliability.</p>
2.	<p style="text-align: center;"><b>Industrial Visit</b></p> 	<p>Our third year students have undergone industrial visit on 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup> March 2025 to EMU CAR SHED, AVADI. They have got practical exposure about Understanding traction motors and their role in electric propulsion. They also had the understanding the Role of pantographs, circuit breakers, and transformers. Differences between EMU, MEMU (Mainline EMU), and DEMU (Diesel EMU). Importance of regular maintenance to ensure safety and efficiency.</p>



PIC: EVENT PHOTO

3.

### International Conference



International Conference on Frontier Technology and Solutions (ICFTS 2025) hosted by the Department of Electrical and Electronics Engineering, St. Joseph's College of Engineering, set the stage for ground-breaking discussions, expert insights, and cutting-edge research presentations.

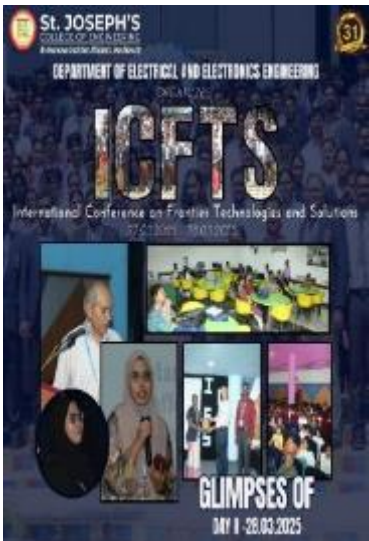
**Dr. Svetlana Sushkova (Southern Federal University, Russia)** delivered a virtual session on emerging frontier technologies.

**Dr. Nagarajan Velmurugan (Pondicherry University)** and **Dr. Norul Ashikin Binti Norzain (Mahsa University, Malaysia)** engaged in insightful in-person discussions on the latest advancements.

Expert Insights by **Dr. Hanisah Binti Mohd Zali** – Professor, Faculty of Engineering, Built Environment & Information Technology, Mahsa University, Malaysia

Thought-Provoking Session by **Dr. Mahesh Kumar** – Professor, Department of Electrical Engineering, Indian Institute of Technology, Madras

Technical Track Sessions featured expert jury evaluations of innovative research presentations.

	 <p><i>PIC: EVENT PHOTO</i></p>	
4.	<p><b>WEB-A-THON</b></p>	<p><b>Webathon-Break It, Build It, Own It!</b></p> <p>As part of the 1st International Conference on Frontier Technologies &amp; Solutions, Web-A-Thon, a 24-hour international hackathon, was hosted by the Department of Electrical and Electronics Engineering, St. Joseph's College of Engineering in association with IEEE St. Joseph's College of Engineering Student Branch Chapter &amp; IEEE Madras Section, during March 27 &amp; 28, 2025. The event saw participation from 90+ teams representing 30+ colleges, competing for an exciting prize pool of ₹6,000, fostering innovation and technological advancements on a global scale. Domains Covered: AI/ML, Blockchain, Cybersecurity, Game Development, Health Tech &amp; more!</p> <p><b>Event Highlights: First Round: PPT Submission</b></p> <p>Shortlisted by top industry experts:</p>





PIC: EVENT PHOTO

**Mr. Thiruvel**, Software Engineer, Avasoft → AI/ML & Blockchain

**Mr. Prashanth**, Security Delivery Team Lead, Accenture → Cybersecurity & Game Development

**Mr. Arangan Rishikesh**, Graduate Electrical Engineer, H&MV Engineering → Health Tech

5.

### Women's Day Event

The Women's Day celebration at St. Joseph's College of Engineering and St. Joseph's Institute of Technology was a vibrant and engaging event that honored the contributions and achievements of women.

The 2 day event provided a platform for students to participate in various activities that emphasized creativity, sustainability, teamwork, and well-being. Several exciting competitions were conducted, including Fireless Cooking, Trash to Treasure, Mehendi, and Balance & Bloom, each designed to encourage students to showcase their talents and skills.

On March 5<sup>th</sup> 2025, our **Chief Guest Dr.P.Uma Maheswari, CEO at TN-RISE Women Startup Council** gave an inspiring talk to the



PIC: EVENT PHOTO

students. A key highlight of the celebration was the prize distribution ceremony where winners were rewarded for their outstanding performances in the competitions

6.

### IEEE activities



The IEEE St. Joseph's College of Engineering Student Branch (SBC60101), in collaboration with the IEEE SJCE Women in Engineering (WiE) Affinity Group (SBA60101), successfully organized a webinar titled She Ignite – Impact | Influence | Independent on 01.03.2025 as part of the International Women's Day celebrations. The session was led by Ms. Karen Oldhoven, a LinkedIn Content Authority Strategist, who provided an insightful session on the topic "What Are Your Skills?" The event witnessed enthusiastic participation from students and professionals, engaging in discussions about skill development and career growth. The speaker covered essential aspects of leadership, event management, teamwork, communication, organizational skills, and technical knowledge. Through real-world examples and expert insights, Ms. Karen Oldhoven emphasized the importance of identifying and refining one's skill set to stay competitive in today's professional landscape. As a token of appreciation, a



PIC: EVENT POSTER & PHOTO

memento was presented to the speaker. The event concluded with a vote of thanks, recognizing the speaker's valuable insights and the participants' active involvement.

7.

### IEEE activities



PIC: EVENT POSTER & PHOTO


The IEEE St. Joseph's College of Engineering Student Branch (SBC60101), in collaboration with the IEEE SJCE Women in Engineering (WIE) Affinity Group (SBA60101), successfully organized a webinar titled She Ignite on March 2, 2025, from 6:00 PM to 7:00 PM (IST), in celebration of International Women's Day. The event, themed "Women Rising: Overcoming Challenges and Finding Their Voice," aimed to empower women to overcome challenges, embrace leadership, and amplify their voices for a more inclusive and equal society. The session was led by Ms. Neerja Malik, a renowned Cancer Counsellor, Inspirational Speaker, and Author, who shared her inspiring journey and provided valuable insights on resilience, leadership, and breaking societal barriers. The discussion covered essential topics such as navigating challenges, fostering self-confidence, embracing leadership roles, and the significance of raising one's voice for positive change. The interactive Q&A session allowed participants to engage directly with the speaker, making the session highly insightful and impactful.

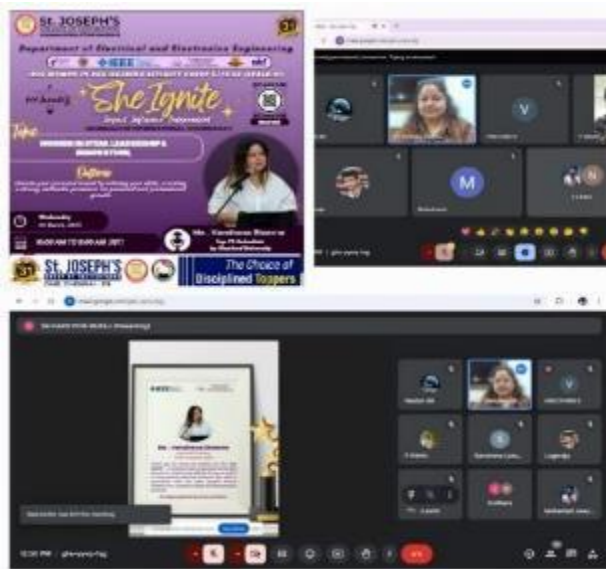
8.

**IEEE activities****PIC: EVENT POSTER & PHOTO**

The IEEE St. Joseph's College of Engineering Student Branch (SBC60101), in collaboration with the IEEE SJCE Women in Engineering (WiE) Affinity Group (SBA60101), successfully organized a webinar titled *She Ignite – Impact | Influence | Independent* on 03.03.2025 as part of the International Women's Day celebrations. The session was led by Ms. Sanjogita Pawar, a LinkedIn Content Authority Strategist, who provided an insightful session on the topic "How Can One Build a Personal Brand & Improve 'N' Work on Their Personality?" The event witnessed enthusiastic participation from students and professionals, engaging in discussions about personal branding, skill development, and career growth. The speaker covered essential aspects of building a strong and authentic presence, leadership, communication, and professional development. Through real-world examples and expert insights, Ms. Sanjogita Pawar emphasized the importance of personal branding and personality enhancement in today's competitive professional landscape. Attendees appreciated the session's practical approach and engaging format. The event concluded with a vote of thanks, recognizing the speaker's valuable insights and the participants' active involvement.



9.	<p style="text-align: center;"><b>IEEE activities</b></p>  <p style="text-align: center;">PIC: EVENT POSTER &amp; PHOTO</p>	<p>The IEEE St. Joseph's College of Engineering Student Branch (SBC60101), in collaboration with the IEEE SJCE Women in Engineering (WiE) Affinity Group (SBA60101), successfully organized a webinar titled She Ignite – Impact   Influence   Independent on 04.03.2025 as part of the International Women's Day celebrations. The session was led by Ms. Pavitrakshmi Kasi Mayan, a Mental Health Advocate, who delivered an insightful session on the topic "Women in STEM Research: Driving Societal Change." The event witnessed enthusiastic participation from students and professionals, fostering discussions on gender inclusivity, leadership, and the transformative role of women in STEM research. The speaker covered essential aspects such as breaking barriers, leveraging research for societal impact, empowering women in leadership, fostering collaboration and mentorship, and providing pathways for aspiring women researchers. Through real-world examples and expert insights, Ms. Pavitrakshmi emphasized the importance of women's contributions in STEM and their role in driving positive change.</p>
10	<p style="text-align: center;"><b>IEEE activities</b></p>	<p><i>The IEEE St. Joseph's College of Engineering Student Branch (SBC60101), in collaboration with the IEEE SJCE Women in Engineering (WiE) Affinity Group (SBA60101), successfully organized a webinar titled She Ignite – Impact   Influence   Independent on 05.03.2025 as part of the International Women's Day celebrations. The session was led by Dr. Vandhana Sharma, Associate Professor at Christ University, Delhi-NCR, who delivered an insightful session on the topic "Women in STEM, Leadership &amp; Innovation."</i></p>




PIC: EVENT POSTER & PHOTO

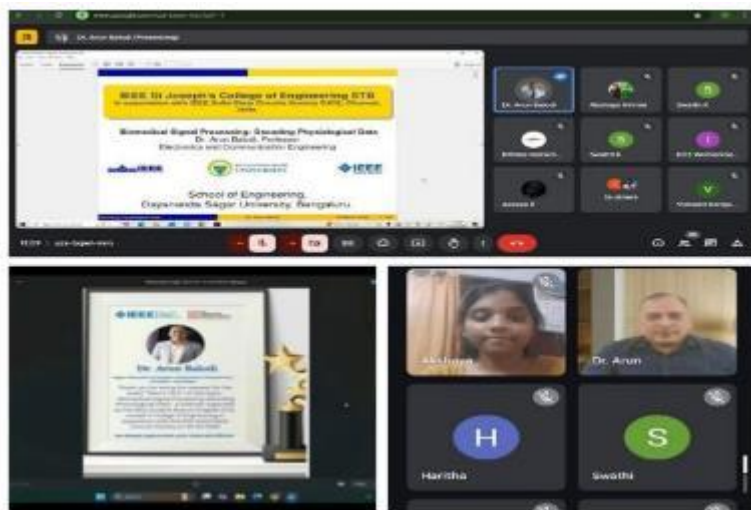
11

### IEEE activities

*The IEEE St. Joseph's College of Engineering Student Branch (SBC60101), in collaboration with the IEEE SJCE Women in Engineering (WiE) Affinity Group (SBA60101), successfully organized a health awareness program titled Her Health Horizon on 04.03.2025 as part of the International Women's Day celebrations. This initiative was exclusively designed for the women teaching and non-teaching staff of St. Joseph's Group of Institutions, recognizing the vital role of health and wellness in their daily lives. The event featured distinguished medical professionals: Dr. M. Banu Priya – MBBS, MD (RT), FIAMS, CCEPC (Palliative Care), PhD and Dr. Anuradha Mahender – MBBS, DA, MD Anaesthesia. The experts provided valuable insights on preventive healthcare, early detection, and wellness practices. The program also included free health screenings and medical consultations, covering: Mammogram screening – Early detection of breast-related issues, Pap smear tests – A crucial*



	 <p>PIC: EVENT POSTER &amp; PHOTO</p>	<p><i>step in cervical cancer prevention and Oral health check-ups – Promoting better oral hygiene and awareness.</i></p>
12	<p><b>IEEE activities</b></p>	<p>The IEEE St. Joseph's College of Engineering Student Branch Chapter (SBC60101), in collaboration with the IEEE SOLID STATE CIRCUITS SOCIETY (SBC60101M), successfully organized an insightful and engaging webinar on "Biomedical Signal Processing: Decoding Physiological Data" on March 15, 2025, from 11:00 AM to 12:00 PM. The session was led by Dr. Arun Balodi, a distinguished expert in Biomedical Signal and Image Processing, Artificial Intelligence, Machine Learning, and Medical Image Analysis. The webinar witnessed the enthusiastic participation of 30 attendees, who actively engaged in the session, making it a highly interactive and enriching experience.</p>



PIC: EVENT POSTER & PHOTO

13

### IEEE activities



PIC: EVENT POSTER & PHOTO

The IEEE St. Joseph's College of Engineering Industrial Applications Society (IAS SBC60101A), in collaboration with the IEEE IAS Madras Section, successfully organized a webinar titled Energy Insights on March 18, 2025, from 7:00 PM to 8:00 PM. The session, themed "Grid Reliability and Its Vital Signs," focused on the critical aspects of maintaining a resilient and efficient power grid, addressing key challenges and advancements in the energy sector.

The webinar featured Dr. Jessica Bian, an IEEE Fellow and a distinguished expert in power and energy systems. Dr. Bian provided valuable insights into grid reliability assessment, risk management strategies, emerging technologies in power transmission and distribution, and the role of policy and governance in ensuring a stable energy infrastructure.

14

## IEEE activities



PIC: EVENT POSTER &amp; PHOTO


"We, IEEE Spectrum of St. Joseph's College of Engineering, conducted a Spectrum session. The speaker, Ms MYTHIRI JANARTHANAN spoke on "HOW TO GROW A LASER ON SILICON" on 9TH March , 2025. The speaker enlightened us with the idea that. "Integrating lasers on silicon is crucial for silicon photonics and optical communication. Since silicon is an indirect bandgap material, III-V semiconductors like InP or GaAs are commonly used. Key methods include epitaxial growth, where III-V materials are grown directly on silicon using MOCVD or MBE, and wafer bonding, which attaches pre-grown laser structures onto silicon. Emerging approaches involve quantum dot lasers for improved efficiency and GeSn-based lasers for CMOS compatibility". The session was held between 6:00 p.m. and 7:00 p.m. Our target audience were 2nd , 3rd and final years . A total of 25 participants participated and had an amazing experience during the meet, thoroughly enjoying the entire session. The speaker was honoured with an E-memento.

15

## IEEE activities




"We, IEEE Spectrum of St. Joseph's College of Engineering, conducted a Spectrum session. The speaker, Mr Arjun spoke on "DIVING DEEP INTO OPTOGENETICS" on 11<sup>TH</sup> March , 2025. The speaker enlightened us with the idea that. " Learn about its impact on treating brain disorders . Explore cutting-edge innovations in the field . Understand real-world applications in neurology, Discover how light is revolutionizing neuroscience". The session was held between 6:00 p.m. and 7:00 p.m. Our target audience were 2nd , 3rd and final years . A total of 25 participants participated and had an amazing experience during the meet, thoroughly enjoying the entire session. The speaker was honoured with an E-memento.

		PIC: EVENT POSTER	
16	<p><b>IEEE activities</b></p>  <p>PIC: EVENT POSTER</p>	<p>The Special Interest Group on Humanitarian Technology (SIGHT) of IEEE, St. Joseph's College of Engineering, Student Branch Chapter, successfully organized an insightful session titled "ENSURING PATIENT SAFETY : THE ROLE OF QUALITY ENGINEERING IN MEDICAL DEVICE DEVELOPMENT AND COMPLIANCE" on March 13 2025, from 7.00 PM to 8.00 PM. The session, attended by 35 enthusiastic participants , The discussion covered the key topics such as strict quality control, compliance, and risk management in medical device development, ensuring patient safety through continuous assessments and innovations. participants in ensuring patient safety through quality engineering in medical device development and compliance. The event was incredibly valuable, providing practical insights and actionable strategies to guide participants in ensuring patient safety through quality engineering in medical device development and compliance.</p>	

17	IEEE activities	<p><i>The Department of Electrical and Electronics Engineering at St. Joseph's College of Engineering, in collaboration with IEEE SJCE Student Branch Chapter (SBC60101) and IEEE Power and Energy Society SJCE Student Branch (PE31SBC60101K), successfully organized a webinar titled "Exploration on IEEE and IEEE VTools" in March 2025. The session introduced students to IEEE's mission, contributions, and the significance of IEEE VTools in managing IEEE activities. Experts provided insights into IEEE's role in technological advancements, career growth opportunities, and how students can benefit from its resources. Participants learned about membership benefits, including research resources and scholarships, as well as how IEEE VTools streamline event scheduling and communication. The interactive Q&amp;A session allowed students to clarify doubts regarding IEEE's impact on career development and best practices for utilizing IEEE VTools in event management. The event was highly informative and beneficial for students, volunteers, and IEEE members looking to enhance their engagement with IEEE and leverage VTools for organizational efficiency.</i></p>
----	-----------------	---





	 <p>PIC: EVENT PHOTO</p>	
18	<b>IEEE activities</b>	<p><i>The Special Interest Group on Humanitarian Technology (SIGHT) of IEEE, St. Joseph's College of Engineering, Student Branch Chapter, successfully organized an insightful session titled " DEVELOPMENT IN TRENDS AND FUTURE DIRECTIONS " on March 23, 2025, from 6:00 PM to 7:00 PM. The session, attended by 34 enthusiastic participants, provided valuable insights into the field of technology and emerging future pathways. Key discussions covered advancements in technology, industry trends, and innovative solutions, equipping participants with essential knowledge to navigate their career journeys effectively. The event proved to be highly beneficial, offering practical guidance and actionable steps to help attendees stay ahead in the evolving tech landscape.</i></p>



PIC: EVENT PHOTO

19

### IEEE activities

*The Department of Electrical and Electronics Engineering, in collaboration with the IEEE Power Electronics Society Madras Chapter PEL 35 (CH10352) and IEEE Power Electronics Society SJCE SB (SBC60101C), organized an insightful online webinar titled "Watt's Next – Introduction to VLSI" on March 14, 2025, from 6:00 PM to 7:00 PM IST. The session provided a comprehensive overview of VLSI (Very Large-Scale Integration) technology, covering its fundamentals, applications, and future scope. The event aimed to enhance participants' knowledge of VLSI design and its growing significance in the electronics industry. Attendees engaged actively, gaining valuable insights into this dynamic field.*




PIC: EVENT POSTER & PHOTO

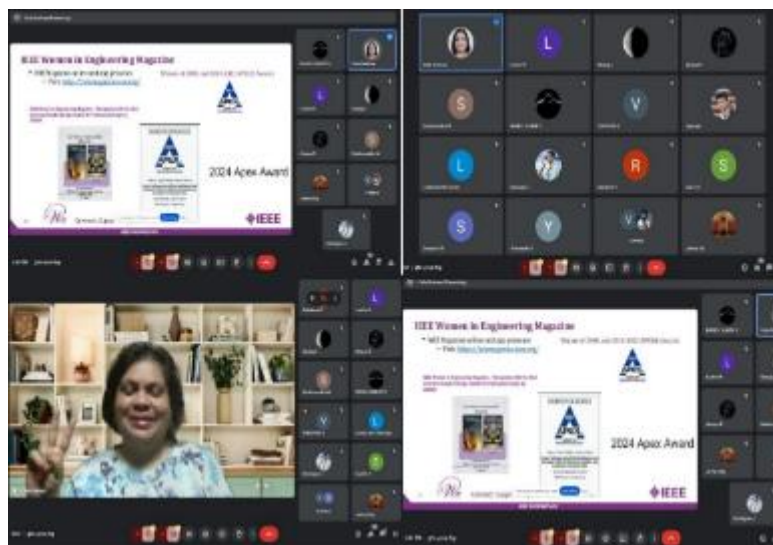
20

### IEEE activities

*The IEEE Vehicular Technology Society Madras Chapter, in collaboration with the Department of Electrical and Electronics Engineering, IEEE Student Branch (SBC10101), and IEEE Vehicular Technology Society SJCE SB (SBC60101N), successfully organized a webinar on "Smart Wearables for Safer and Efficient Traffic Management" on March 24, 2025, from 06:00 PM to 07:00 PM.*

The guest speaker, Ms. Poornima Pandian, Assistant Professor at Sri Sairam Engineering College, delivered an insightful session on the role of smart wearables in improving the safety and efficiency of traffic personnel. She elaborated on the real-time monitoring capabilities of smart wearables, their integration with AI-driven optimization, and the impact of data analytics on traffic management. The session was interactive, with students engaging in discussions on the practical applications of AI-based wearables and their potential to revolutionize traffic monitoring systems. The webinar provided a

	 <p><b>PIC: EVENT POSTER &amp; PHOTO</b></p>	<p>comprehensive understanding of emerging technologies and their role in intelligent transportation systems.</p>
21	<p><b>IEEE activities</b></p>	<p>The IEEE St. Joseph's College of Engineering Student Branch (SBC60101), in collaboration with the IEEE SJCE Women in Engineering Affinity Group (SBA60101), successfully organized a webinar titled SHE LEADS – Impact   Influence   Independent on 25th March 2025. The session was led by Ms. Celia Shahnaz, Professor, EEE, BUET. She delivered an insightful session on the topic "AI for Women Empowerment and Advancement". The event witnessed enthusiastic participation from students and professionals, who engaged in discussions on the impact of artificial intelligence in empowering women, leadership, innovation, and mentorship. The discussions also highlighted the importance of diversity, inclusion, and mentorship in contributing to equal opportunities in the STEM field. The interactive Q&amp;A session allowed</p>



PIC: EVENT POSTER & PHOTO

participants to seek expert advice on career progression, overcoming challenges in STEM, and embracing leadership opportunities.

22

### ISTE activities

The **St. JOSEPH'S ISTE STUDENT CHAPTER**, in collaboration with the **IEEE PHOTONICS & AUTOMATION SOCIETY**, at **St. Joseph's College of Engineering**, specializing in Electrical & Electronics Engineering, hosted a technical event on March 25.03.2025. The event was conducted from 1:40 PM to 3:00 PM, with active participation from all club members.

The event consisted of two thrilling rounds. The initial round tested participants' technical skills as they tackled a tough **"ECO QUIZ"** challenge. In the second round, known as the **"Problem Solved"** round, teams demonstrated their creativity and communication abilities by delivering a one-minute talk on a NextGen innovators related topic. The event highlighted innovation, technical expertise, and strong communication, encouraging both learning and friendly competition.



PIC: EVENT POSTER

23

### Club activities

The **ROBOTICS CLUB** in association with **IEEE ROBOTICS & AUTOMATION SOCIETY** at St. Joseph's College of Engineering, specializing in Electrical & Electronics Engineering, hosted a technical event on March 24 2025. The event commenced at 1.40 pm and concluded at 3.00 pm, with all the members of the club.

The Automatex event featured two exciting rounds. In the **first round**, participants showcased their technical prowess by solving a challenging **Puzzle**. The **second round**, titled " **IDEA PRESENTATION**," required teams to exhibit their creativity and communication skills by speaking about a **robotics-related topic** for one minute. The event emphasized innovation, technical knowledge, and effective communication, fostering a spirit of learning and competition.



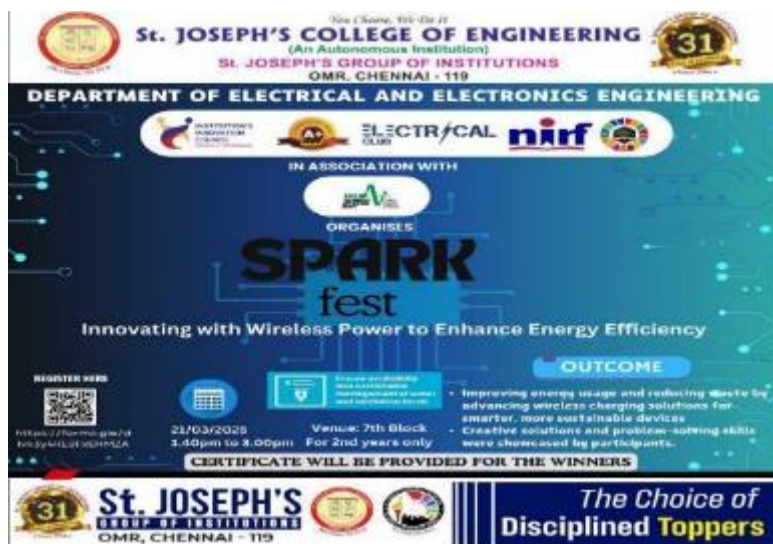


PIC: EVENT POSTER

24

Club activities

The **ELECTRICAL CLUB**, in collaboration with the **IEEE POWER ELECTRONICS SOCIETY**, at **St. Joseph's College of Engineering**, organized a technical event on March 21, 2025. The event was held from 1:40 pm to 3:00 pm and was attended by all club members. Hands-on activities like wireless power transmission, prototyping, and simulation enhance practical skills, problem-solving abilities, and teamwork. This event fosters innovation in energy efficiency and nurtures future engineers committed to sustainable solutions.



PIC: EVENT POSTER

25

### Club activities

The **SOCIAL AWARENESS CLUB**, in collaboration with the **IEEE SPECIAL INTEREST GROUP ON HUMANITARIAN TECHNOLOGY**, at **St. Joseph's College of Engineering**, specializing in Electrical & Electronics Engineering, hosted a technical event on March 26, 2025. The event took place from 1:40 PM to 3:00 PM, with active participation from all club members.

THE EVENT CONSIST OF 3 ROUNDS

**ROUND 1 - FROM IDEAS TO IMPACT**

**ROUND 2 – ADVENTURES IN LEARNING**

**ROUND 3 - VISIONARY VOICE**



PIC: EVENT POSTER & PHOTO

26

### Mentor Meeting

On **10<sup>th</sup> March 2025**, Department of Electrical and Electronics Engineering at St. Joseph's College of Engineering, conducted Mentor meeting for II & III year students. Students were motivated to do NPTEL and other online courses on emerging Technology. Mentors motivated the students to participate in various project competition.



PIC: EVENT POSTER

27

### Placement club activities



The Department of EEE has conducted the SEERA training program for second year students through Lingual clique and Bright Byte Coders Club on 07/03/2025. The speakers of the event are also from Second year students **DHARSHINI S** on the topic PYTHON FOR DATA SCIENCE (BASICS), **JEEVA R** on the topic APTITUDE FOR PLACEMENT, **NADISH B K**, on the topic PREPARATORY TALK ON UPSC EXAMINATION. The program is organized to enrich programming skills, workspace strategies skills and various topics on aptitude for the students and provides the placement drive procedures for various companies.

PIC: EVENT PHOTO

28

### Placement club activities



PIC: EVENT PHOTO

The Department of EEE has conducted the SEERA training program for second year students through Lingual Clique and Bright Byte Coders Club on 28/03/2025. The speakers of the event are also from second year students **NITESH** on the topic HOW TO PREPARE APTITUDE FOR PLACEMENT and **SREELEKHA AND SANDHIYA** on the topic UNDERGROUND CABLES AND GRADING OF CABLES, **DHARIKA K S** on the topic FUTUTRE TRENDS IN CLOUD COMPUTING The program is organized to enrich on aptitude for the students and provides the placement drive procedures for various companies.



29

### ALUMNI TALK



PIC: EVENT POSTER & PHOTO

Department of EEE of St. Joseph's College of Engineering organized an Alumni Talk on "Current measurements in HVDC" on 5th March 2025. Our esteemed alumni **Mr. Komahan Kumaran (Batch: 2014-2018) Project Engineer Hitachi Energy**, gave insightful thoughts on HVDC.



30

### Higher Studies Activity

On March 22, 2025, the Department of Electrical and Electronics Engineering at St. Joseph's College of Engineering, conducted an event **"Your Dream MS in US" GRE preparation and Application insights** presented by **Mr. Nikith Jude Serrao**, Final year student 2021-25.

The event was organized for students who are preparing for and aspiring to pursue higher studies course at US after graduation. Participants included second, and third year students from the Electrical and Electronics Engineering department. The speaker pursuing IV Year in our department who will get graduated in 2025, achieved a score of 322 in GRE 2025.



	 <p>PIC: EVENT POSTER</p>	<p>During the webinar, he offered valuable insights on GRE exam preparation and explained the application process. He also covered the different sections of the GRE exam and their respective weightages, and provided various tips and tools to score high marks in GRE exam. Attendees had the opportunity to clarify their doubts regarding the GRE exam.</p> <p>OUTCOME: Understanding the format of GRE exam, and preparation tips and strategies.</p>
31	<p><b>Student achievements</b></p>  <p>PIC: EVENT PHOTO</p>	<ul style="list-style-type: none"> <li>➤ We congratulate our students <b>Akshaya N, Aksaya R, Anirudh S, Giridharan MS, Haritha Shree, Elshadai, Bharatram, Sharan</b> under the mentorship of <b>Dr. Jayarama Pradeep &amp; Mr. A. Sadeesh Kumar</b> for obtaining approval of financial support of <b>Rs.60,000</b> under the <b>Climate Compatible Growth (CCG) programme</b> by the <b>Centre for Climate Change and Disaster Management (CCCDM)</b>.</li> <li>➤ We congratulate our II year and III year students for winning Future Award with Cash Prize of Rs. 5000 in the National level event “SIEP E-Bike Challenge-2025” organized by Imperial Society of Innovative Engineers (ISIEINDIA) from 27.03.2025 to 31.03.2025 at Galgotias University, Greater Noida (UP). SIEP E-Bike Challenge is a Five Days Event. Student team: Ramya K, Sai Samyuktha Y, Pavadharini</li> </ul>

		<p>SM, Uma Mageshwari, Kayalvizhi sj, Sanmitha V, Arulmozhi R, Bhuvaneshwari T.</p> <p><b>FACULTY MENTORS:</b></p> <ul style="list-style-type: none"> <li>➤ Dr. Jayarama Pradeep, Mr. R. Elanthirayan, Ms. S. Gomathi</li> </ul>
32	<p><b>Faculty Activities</b></p>   <p>Pic: <i>EVENT POSTER</i></p>	<ul style="list-style-type: none"> <li>➤ <b>Dr. P. Velmurugan</b> delivered a webinar on the topic “ <b>Evolution of Electric Vehicles: A Journey of Innovation</b>” on 27/03/2025 organized by Fathima Michael College of Engineering, Madurai.</li> <li>➤ Department of EEE along with PEP centre for EV of our college organized a two day workshop on Electric vehicle design and simulation With Matlab. Event was held on <b>13<sup>th</sup> and 14<sup>th</sup> March 2025</b></li> </ul>

33	<p align="center"><b>PLACEMENT DETAILS FOR THE MONTH OF MARCH 2025</b></p>	<p><b>2021-2025 Batch</b></p> <p>Total No of students placed = 81 Students</p> <p>Total No of Offers = 105 Offers</p> <p>Total No of Students (UG) = 194</p> <p>Total No of Eligible Students (UG) = 160 (All Clear)</p> <p>% of students Placed (UG) = <math>81/194 = 41.7\%</math></p> <p>No of students having single offers = 62</p> <p>No of students having Double offers = 16</p> <p>No of students having Triple offers = 4</p>
----	--	---

## **DEPARTMENT OF MBA**

## AWARDS & RECOGNITION RECEIVED:



Dr.K.Sampath has received the BEST ACADEMICIAN AWARD in the International Conference organised by Career Point University, Rajasthan.



Dr.D.Joel Jebadurai and Mr.Surendiran David have received the YOUNG RESEARCHER AWARD in the International Conference organised by Career Point University, Rajasthan.



Dr.K. Jawahar rani and Dr.R. Nadasasabai have attended the Business Standard Tamilnadu Round Table 2025 held in Chennai focused on Reimagining Tamilnadu: Path to Knowledge Economy.

## INDUSTRIAL VISITS:



The industrial visit for the 58 III-year and IV-year MBA Integrated students was scheduled at **Autotech Industries Pvt. Ltd.** on **March 11, 2025**. Autotech Industries, a well-established manufacturing unit located in **Ambattur, Chennai**, specializes in producing automotive components and supplies for major OEMs in both domestic and international markets.



*On March 22, 2025, 95 students from I-MBA of St. Joseph's College of Engineering visited Titan Company Ltd. The visit provides exposure to students in the field of real-world industrial process and helps them to understand the gap between theoretical knowledge and practical applications. Students had the opportunity to observe advanced manufacturing techniques, automation, and quality control measures in action. Industry professionals guided them through various operational aspects.*



## JOURNAL REVIEWER / RESOURCE PERSON:



*Dr.R. Arun has participated as Technical Program Committee Member and Reviewer in the 3<sup>rd</sup> International Conference on Power Engineering and Intelligent Systems (PEIS 2025) held at NIT, Uttarakhand, India.*

### STUDENT ACHIEVEMENTS:



*Ms.Rakshitha, Ms.Savithaa and Mr.Yogesh of Integrated MBA Students won first place in Business Quiz at SRM Easwari Engineering College, Chennai.*



Ms.Kaviyashree and Mr.Hemanth of First Year MBA won the first place in CASE STUDY and BUSINESS PLAN at SRM Easwari Engineering College, Chennai.

## DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
1	Collabarative Quality initiatives with other institutions	<b>Consultancies:</b> Dr. S. Suresh, received a consultancy honorarium of ₹11,500 from IIT Madras for NPTEL Translation Project for the course "Appreciating Linguistics: A Typological Approach" (Course ID: 109106159)
2	Industrial Visits, Inplant Training, Internships	-
3	Guest Lecture	The Department of Science organized a Guest Lecture on "Unlocking Funding Opportunities: The Art of Research Proposals and Conference Grants" on 11.03.2025. The session was conducted by Prof. N Vijayan, Senior Principal Scientist (Professor - AcSIR) at CSIR-National Physical Laboratory, New Delhi.
4	FDP/Workshop/Conference	<b>CONFERENCE / WORKSHOP CONDUCTED</b> <ol style="list-style-type: none"> <li>1. Dr. P. Saravanan, Dr. K. Sathesh Kumar, Dr. G. Sasikumar, in collaboration with the Tamil Nadu State Council for Science and Technology (TNSCST), organised the National Conference on Advances in Engineering Materials (NCAEM 2025) on 21.03.25 &amp; 22.03.25.</li> <li>2. The Department of Science conducted a Virtual Workshop on "Smart Resume Writing: Beating ATS with AI Strategies for Students" on March 29.03.25.</li> <li>3. The Department of Science conducted a virtual International conference on innovations in Materials science, Technology, Engineering and Management for Sustainable Development (IMSTEM) 2025, in association with RSP Research hub during 30.3.25 and 31.3.25.</li> </ol> <b>GUEST LECTURE DELIVERED</b> <ol style="list-style-type: none"> <li>1. Dr. G. Senthil Murugan, delivered a guest lecture on "A Gentle Introduction to Kagome Magnets: Fundamental Concepts and Emerging Perspectives" during the two-day workshop on "Advanced Transition Metal Dichalcogenides for Energy Storage Applications" (TMDE-2025) organized by Sri Sivasubramaniya Nadar College of Engineering (SSN), Chennai, on March 11, 2025.</li> </ol>

		<p><b><i>PRESENTED</i></b></p> <p>Dr. P. Saravanan presented a paper titled “ Jackfruit: Nutritional Composition, Pharmacological implications, Value added products and omics based Investigations:” in a virtual International conference on innovations in Materials science, Technology, Engineering and Management for Sustainable Development (IMSTEM) 2025, conducted by St. Joseph’s College of Engineering, Chennai, during 30.3.25 and 31.3.25.</p> <p><b><i>ATTENDED</i></b></p> <ol style="list-style-type: none"> <li>1. Dr. S. Suresh, received certifications from LMES Academy and Chitti &amp; LMES on March 21, 2025.</li> <li>2. Dr. A. Mahalakshmi and Mr. Kaleel Mohamed Ibrahim S, completed a 40-hour Faculty Development Programme on Quantum Technologies &amp; Applications, organized by multiple academies, funded by MeitY, and endorsed by DST-NQM, AICTE, and UGC held between 28.02.25 to 22.03.25.</li> <li>3. Dr. P. Saravanan, Dr. G. Sasikumar, Mr. Kaleel Mohamed Ibrahim S, Dr. J. Sharmila, Dr. S. Kiruba, Dr. N. R. Rajagopalan, Dr. S. Rama, and Dr. A. Dhivya have successfully completed the NEP 2020 Orientation &amp; Sensitization Programme under the Malaviya Mission Teacher Training Programme organized by the Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai, held on 17.2.25 to 27.2.25(Certificates received on March month).</li> <li>4. Dr. P. Krishnan, has attended professional development program on “Emerging Trends in Digital Learning Environment” organized by the National Institute of Technical Teachers Training and Research, Chennai held from 17.3.25 to 21.3.25.</li> <li>5. Dr. V. Swarnalatha, Ms. S. Savitha, Dr. J. Sharmila, Dr. N. Punitha, Dr. S. Rama, Dr. S. Kiruba, Dr. A. Arulmozhi, Dr. A. Mahalakshmi, Dr. A. Dhivya, had attended professional development program on “Solar, wind and bio energy application” organized by the National Institute of Technical Teachers Training and Research, Chennai held from 17.3.25 to 21.3.25.</li> </ol>
--	--	---

		<p><b>CONFERENCE CHAIR</b></p> <ul style="list-style-type: none"> <li>Dr. S. Suresh had chaired a session in 4th International Conference on Multifunctional Materials and Radiation Measurements (ICMMRM-2025), organized by Sri Sivasubramaniya Nadar College of Engineering (Autonomous), Chennai, in association with Sri Venkateswara College of Engineering (Autonomous), Sriperumbudur, held on March 21-22, 2025.</li> </ul>
9	Awards/Prize won by students / Staff	<p><b>STAFF</b> Dr. P. Krishnan, Associate Professor of Physics at St. Joseph's College of Engineering, was the Chief Guest at St. Thomas Vidyalayam's Grand Expo 2025 on 20-03-2025.</p> <p><b>STUDENTS</b></p> <ol style="list-style-type: none"> <li>Ms. Anjana Rangarajan, of I ECE, secured 1st place for the project titled “Aris: AI-Powered Research Companion” in the AI Hackathon organized by St. Joseph's Institute of Technology on 28.2.25 to 01.3.25.</li> <li>Mr. Vedhaswaruban S, Mr. Sai Harinarayanan J, and Ms. Sreenidhi T A of I ECE secured First Place in the "Lift &amp; Drop" event at CRISPO 2K25, a National Level Symposium organized by New Prince Shri Bhavani College of Engineering and Technology held on .</li> <li>Mr. Vedhaswaruban S, I ECE second place in the “Spizer walk” event at CRISPO 2K25, a National Level Symposium organized by New Prince Shri Bhavani College of Engineering and Technology on 01.03.25.</li> <li>Ms. Rupika Sri S, Ms. Swetha S, and Mr. Vedhaswaruban S, secured First Place in the Paper Presentation event at VISTA 2K25, organized by Vels University, Chennai. held on 28.03.25</li> </ol>
10	Industrial Projects done by students	-
11	Publications(only published) details	<p><b>Journal Publications:</b></p> <ol style="list-style-type: none"> <li>Dr. A. Uma Devi, has published an article titled " Enhancing Machining Efficiency of UNS S45000 Alloy Steel Using Cryogenically Treated TiAlSiN Coated Tungsten Carbide Inserts " in the journal of “Results in Engineering”, vol 25(2025), article 104415. (DOI:</li> </ol>


	<p><a href="https://doi.org/10.1016/j.rineng.2025.104415">https://doi.org/10.1016/j.rineng.2025.104415</a>)</p> <p>2. Ms. S. Savitha, has published an article titled " Synthesis and Characterization of Benzothiazine Analogues" in the journal Cuestiones de Fisioterapia, Volume 54, (2025) article 4 (DOI: <a href="https://doi.org/10.48047/ybpd4b06">https://doi.org/10.48047/ybpd4b06</a>.)</p> <p>3. Mr. S. Kaleel Mohamed Ibrahim, has published an article titled "Spin-Dependent Resonant Tunneling in CdTe/Cd<sub>1-x</sub>Mn<sub>x</sub>Te Nanostructures: Effect of Polaronic Mass" in the journal The European Physical Journal vol. 98, B (2025) Article 40 (DOI: <a href="https://doi.org/10.1140/epjb/s10051-025-00888-4">https://doi.org/10.1140/epjb/s10051-025-00888-4</a>)</p> <p>4. Dr. S. Kiruba, has published an article titled The Influence of Bi Doping Concentration on Structural, Dielectric, and Optical Properties of Bi-Doped ZnO Thin Films" in the journal Semiconductors vol. 59 (2025)., pp.61-69 (DOI: <a href="https://doi.org/10.1134/S1063782624602127">https://doi.org/10.1134/S1063782624602127</a>.)</p> <p>5. Dr. A. Mahalakshmi, has published an article titled " Innovative Accounting Practices: Bridging Traditional Methods with Modern Financial Reporting," in the Journal of Information Systems Engineering and Management”, vol.10 (2025) (DOI: <a href="https://doi.org/10.52783/jisem.v10i20s.3030">https://doi.org/10.52783/jisem.v10i20s.3030</a>)</p> <p>6. Dr. A. Mahalakshmi, has published an article titled " Exploring Trends in Financial Reporting and Business Growth," in the Journal of Information Systems Engineering and Management”, vol.10 (2025) (DOI: <a href="https://doi.org/10.52783/jisem.v10i20s.3031">https://doi.org/10.52783/jisem.v10i20s.3031</a>)</p> <p>7. Dr. A. Dhivya, has published an article titled " Eco-Friendly Nano Colloids for Enhanced Black Gram (Vigna mungo) Seed Viability: Experimental and Computational Analysis " in the journal of “BMC Plant Biology”, 25 (2025) 204 (DOI: <a href="https://doi.org/10.1186/s12870-024-05888-7">https://doi.org/10.1186/s12870-024-05888-7</a>)</p> <p>8. Dr. K. Jayamoorthy, has published an article titled " Enhanced Photocatalysis of VCrO<sub>4</sub>-Doped TiO<sub>2</sub> for Dye Degradation Under UV Light " in the journal of “Iranian Chemical Society”,(2025) (DOI: <a href="https://doi.org/10.1007/s13738-025-03202-2">https://doi.org/10.1007/s13738-025-03202-2</a>)</p> <p>9. Dr. P. Krishnan, has published an article titled " Hydrothermal Synthesis of NiCo<sub>2</sub>O<sub>4</sub> Nanorods: A Promising Electrode Material for Supercapacitors with Enhanced Capacitance and Stability" in the journal “Chemical Physics Letters” (2025) (DOI: <a href="https://doi.org/10.1016/j.cplett.2025.142028">https://doi.org/10.1016/j.cplett.2025.142028</a>.)</p>
--	---



		<p><b>Books/ Book Chapters</b></p> <p>1. Dr. A. Mahalakshmi, an Assistant Professor in the Department of Science, has authored the book "Introductory Approach to Research Methodology", ISBN 9788198164264.</p> <p>2. Dr. S. M. Prakash, Assistant Professor from the Department of Chemistry, has contributed to Chapter 8 of the book, titled "Study on Advanced IoT Solutions for Enhancing Agricultural Productivity." His research emphasizes the role of IoT in enhancing agricultural efficiency. The chapter is published with the DOI: 10.4018/979-8-3693-2320-5.ch008.</p> <p><b>Patents</b></p> <p>1. Dr. P. Saravanan has published a patent titled “Rna Isolation Kit For Low-Volume Samples With Enhanced Purity Isolation Of Long Non-Coding Rna (Lncrna) From Complex Tissues” in the “Official Journal of the Patent Office – Journal issue 11/2025” – Application No. 202541018351 , dated 14-03-2025.</p> <p>2. Dr. S. Suresh has published a patent titled “Compositions and Methods for Inhibiting Amyloid Fibril Aggregation” in the “Official Journal of the Patent Office – Journal issue 10/2025” – Application No. 202541015737, dated 07-03-2025.</p> <p><b>Reviewer:</b></p> <p>Dr. K. Jayamoorthy</p> <ul style="list-style-type: none"> <li>• Materials Science in Semiconductor Processing</li> <li>• Journal of Molecular Structure</li> <li>• Current Organic Chemistry</li> </ul> <p>Dr. B. Subash</p> <ul style="list-style-type: none"> <li>• Scientific Reports</li> <li>• Current Analytical Chemistry</li> </ul>
--	--	--

		<ul style="list-style-type: none"> <li>• Nanotechnology for Environmental Engineering</li> </ul> <p>Dr. A. Dhivya</p> <ul style="list-style-type: none"> <li>• ACS Omega</li> <li>• Scientific Reports</li> <li>• Discover Applied Sciences</li> </ul> <p>Dr. K. Dhanaraj</p> <ul style="list-style-type: none"> <li>• Journal Journal of the Australian Ceramic Society.</li> </ul>
12	<b>Funded Projects</b>	--
13	<b>Other activities(if any)</b>	The Department of Science organized a TANSAM Orientation for first-year ADS, AML, and Cyber Security students on 19.03.2025. Another session was conducted for ECE, EEE, and Chemical Engineering students on 24.03.2025.

## DEPARTMENT OF MATHEMATICS AND ENGLISH

Events	Remarks							
FDP/Workshop/Conference								
								
	S. No	Staff Name	FDP Title		Organized by		Date	
	1	Dr. S. ARUNA	Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme		MMTTC, Kannur University		06-03-2025 to 14-03-2025	
Symposium	-							
Awards/Prize won by staff								
Awards/Prize won by students								
	S. No.	Name of the Student	Branch & Sec	Event	Organized by	Date	Place	Cash
	1	Siddharth Srinivasan Suryaprasanth T Samson Enoch	I IT D I IT D I IT C	IDEATHON 1.0	St. Joseph’s College of Engineering	Feb 28,2025	I	3000

		Anjana Rangarajan	I ECE A					
	2	Kavya Sree A Mukesh Kumar M Delfi A Allen Joseph G	I CSE C I CSE C I CSE A I CSE A				II	2000
	3	Siddharth Srinivasan Suryaprasanth T Samson Enoch Anjana Rangarajan	I IT D I IT D I IT C I ECE A	Hack India	St. Joseph's Institute of Technology	Feb 28 to Mar 1	I	9000
	4	Yashaswini	I CSE E	Quizverse	Revil 2025 Chennai Institute of Technology	Feb 10,2025	I	1500
	5	Varnika s Aruna p	I Biotech	Paper Presentation	"ICBEST 2025" SRM Institute of Science and Technology, Ramapuram,	Feb 27&28 2025	III	-

	6	Fantinus Akshidha Ferbiya P Janet FA Sifina Edlyn Jessica Manussha	I CSE B	DESIGN THINKING WORKSHOP	St. Joseph's College of Engineering	Feb 28,2025	II	-
	7	Iniya S Janani R.V Yuvashri A.S	I IT B I IT B I CSE E	BUG EXORCISM	"NEURONEX'25" Velammal Institute of Technology, Chennai	March 12,2025	II	500
	8	Jagadhish SV Ashwin J Jaganathan V	I Mechatronics	BLAZE BOT	"TEZAS-2K25" R.M.K College of Engineering and Technology,	March 17,2025	II	750
	9	Umeshwaran.R Sanjay Kumar.K Siva Moorthy P Suba Lakshmi.k	I IT D	Paper Presentation	IEEE Control Systems Society Chapter St. Joseph's College of Engineering	March 26,2025	Special Mention	500
	10	Varnika S Arunasri P M	I Biotech	Paper Presentation	"IMSTEM- 2025"	March 30 & 31,2025	Best Paper Award	-

		Keniit Jelina J			St. Joseph’s College of Engineering				
		Pooja Parakunni S							
Industrial Projects done by students									
Publications(only published) details	<div>1. John Jayaraj J. , I. Paulraj Jayasimman , <b>N. Jose Parvin Praveena</b>, Broumi said, Investigating Workplace Challenges: A Neutrosophic Soft Set Analysis of Female Workers' Problems in Diverse Industries, International Journal of Neutrosophic Science (IJNS) Vol. 25, No. 04, PP. 408-417, 2025, SCOPUS</div> <div>2. <b>B. Poorani</b>, Natesan Poyyamozhi, Prajith Prabhakar., Optimization of thermal performance in solar Ponds: Synergistic effects of phase change materials and Fe3O4 nanoparticles, Thermal Science and Engineering Progress, Volume 59,2025,103385,Page 1-11, <a href="https://doi.org/10.1016/j.tsep.2025.103385">https://doi.org/10.1016/j.tsep.2025.103385</a>. SCIE</div> <div>3. K. Indira, <b>P. Agilan</b>, M. Suresh, Manivannan Balamurugan, S. Karthikeyan, R. Sakthi, Solution and Fuzzy Stability of n-Dimensional Quadratic Functional Equation, Int. J. Anal. Appl., 23 (2025), 83. SCOPUS</div>								
Funded Projects	-								
Other activities	.								