

You Choose, We Do It

St. JOSEPH'S COLLEGE OF ENGINEERING (An Autonomous Institution)

St. Joseph's Group of Institutions

OMR, Chennai - 119



FEBRUARY 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	Our Department Faculties Dr. Sherly Puspha Annabel L, Professor and Head, Mr. Senthil Kumar D, Assistant Professor have visited Blue Maple Technologies Pvt. Ltd, Guindy and interacted with Mr. Dinesh Kumar Rajendran, Head — Global Capable Center and Mr. Raja Paramasivam A M, H R Head as the part of Industry Institute Interaction.



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



INDUSTRY INSTITUTE INTERACTION





BlueMaple Technologies Pvt. Ltd









Dr. Sherly Puspha Annabel. L and Mr. Senthil Kumar D have visited BlueMaple Technologies Pvt. Ltd @ Guindy and interacted with Mr. Dinesh Kumar Rajendran, Head - Global Capable Center and Mr. Raja Paramasivam A M , H R Head as the part of INDUSTRY INSTITUTE INTERACTION

OUTCOMES OF THE VISIT:

- 1. Industry Exposure and Guest Lectures
- 2. Internships
- 3. Curriculum Alignment
- 4. Mentorship







https://bluemapleit.com in www.linkedin.com/company/bluemapleit









The Choice of Disciplined Toppers

INDUSTRIAL VISIT



2.



Our Second Year Students have visited the National Small Industries Corporation (NSIC) as part of an industrial visit. During the visit, they explored NSIC's initiatives to support and promote small and medium-sized enterprises (SMEs) in India. The students learned about various services NSIC offers, such as financial assistance, marketing support, and technology development for entrepreneurs. Experts at NSIC shared insights into the challenges and opportunities within the SME sector, inspiring the students to consider entrepreneurship and its role in economic development. The visit provided valuable exposure to the industrial world and the workings of SMEs.

GUEST LECTURE



The Department of Artificial Intelligence and Data Science has organized the Guest Lecture for the Second Year Students on "AI and Its **Topic** Advancements: Real-World Applications and Impact", by Mr. Ragul K T S, CEO HIGHONSWIFT and the Expert Talk on the Topic "The Role of Data Analytics in the Automotive Industry", by Mr. Venkatesh B, Assistant Manager, Renault -Nissan Technology.

3.

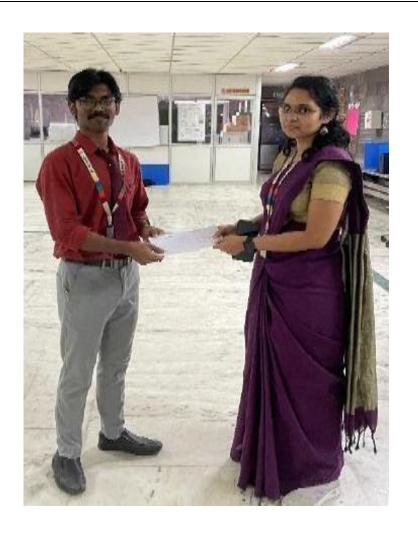
Mr. Jude Allen. A, III - ADS, Ms. Nandhika.A, II - ADS, Mr. Lokesh.K, II - ADS and Mr. Vaigunda Mani, II -MBA(Integrated) have won second prize with Cash Prize of Rs. 5,000 in L&T**Sponsored** Hackathon, Smartathon conducted by St. Joseph's Institute of Technology, Chennai. STUDENT ACHIEVEMENTS/AWARDS/PRIZE WON BY Title: Automated Shoplifting **STUDENTS Detection** Our Final Year Student, Mr.Dhanush Kumar R, has promoted from Microsoft Learn Student Ambassador Beta to Gold. Out of 100 plus nominations, only six were nominated as Microsoft Learn Student Ambassador Gold



in India and he was one among them.



Our Second Year Student, Mr. Gautham Harish K R, has secured Third Place in CODE ARENA' 25, organized by Computer Society of India, Kancheepuram Student Chapter.



5.	INDUSTRIAL PROJECTS DONE BY STUDENTS/ / INTERNSHIP WITH STIPEND	Our Department Third Year Students, Mr. Kiruthik Kumar J and Mr. Mohammed Naazil A A, have secured paid internship with Stipend ₹17,000 Per Month @ Halbe for the duration of 3 Months.
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE B DATA SCIENCE



Internship with stipend @ Habe





MOHAMMED NAAZIL A A

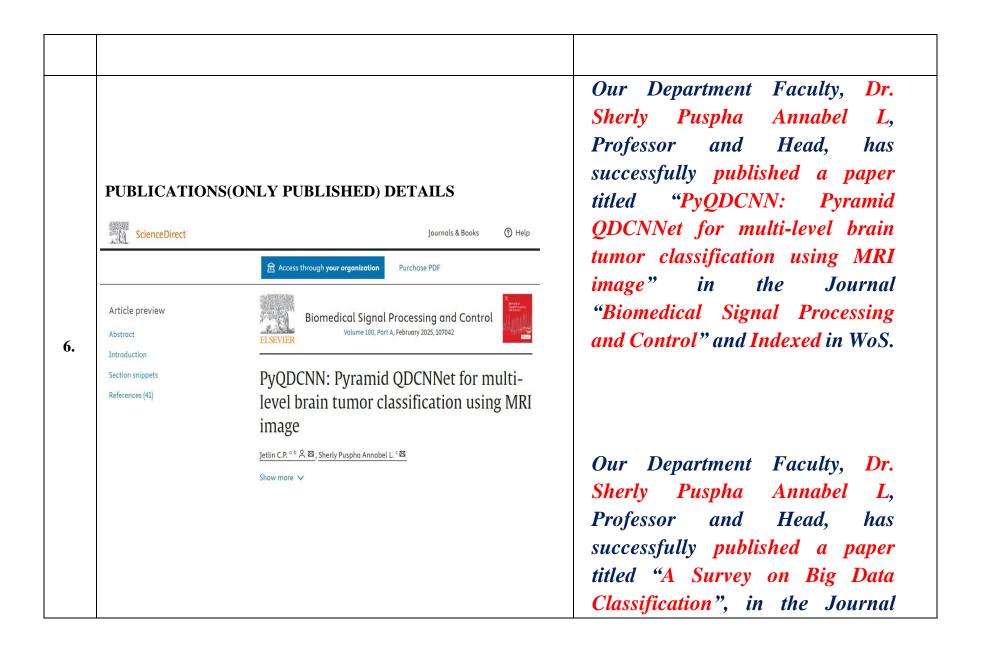


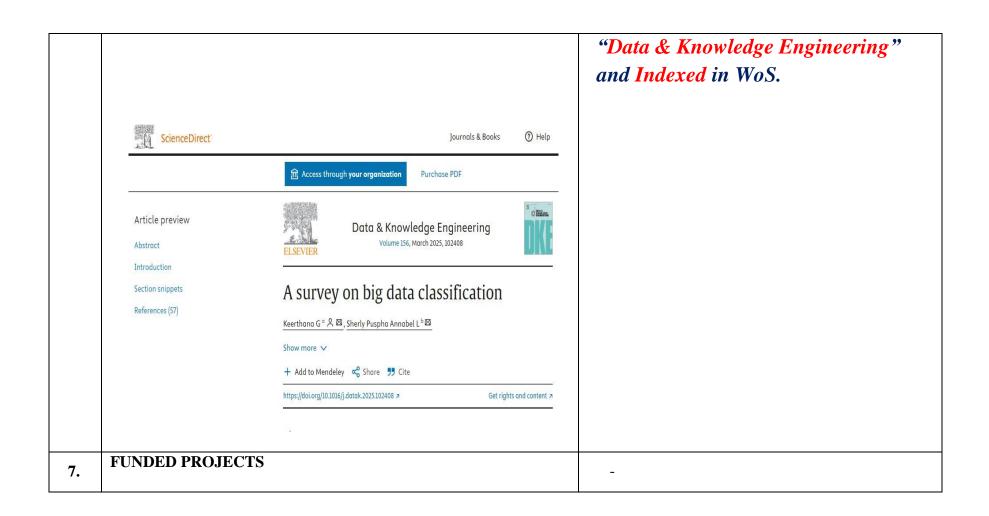
KIRUTHIK KUMAR J

BATCH: 2022 - 2026

Duration: 3 months







Dr. Kotteeswaran R, Associate Professor, Department of Artificial Intelligence and Data Science, has successfully completed the AICTE -QIP – PG Certificate Programme on "Artificial Intelligence and Data STAFF CONFERENCE PRESENTATION /PATENT PUBLISHED/STAFF NPTEL ONLINE CERTIFICATION/STAFF Science". **ACHIEVEMENTS**



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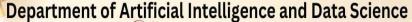












Congratulations

Our Faculty has successfully completed AICTE-QIP-PG Certification Programme



Dr.R.KOTTEESWARAN
Associate Professor

Course Name: Artificial
Intelligence and Data Science

Duration: July '24 - December '24 (Six Months)
Host Institution: IIIT Kottayam



Felicitation ceremony held at AICTE Headquarters, New Delhi



Our Department Faculty, Mr. Sathishkumar R, Assistant Professor has successfully published a Patent, titled "Enhancing Mechanical Properties of Aluminum Matrix Composites with High-Entropy Alloy Reinforcement via Friction Stir Processing".

Our Department Faculty, Dr.R.
Baghia Laxmi, Assistant



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)

INTELLECTUAL PROPERTY INDIA

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

	GEOGRAPHICAL INDICATIONS
	Application Details
APPLICATION NUMBER	202541009615
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/02/2025
APPLICANT NAME	1. G ASHWIN PRABHU 2. Dr K.PVASANTHA KUMAR 3. Dr. SATHISH KUMAR P 4. Mr. R KARTHIK 5. Mr. Vadivel Muthu 6. Dr J M Prabhudass 7. Dr K Velavan 8. Mr. R Sathishkumar 9. Mr. RAJESHWARAN R 10. Mr. GAMSIDDESHA PATTANASHETTY 11. Dr. M L BRABIN NIVAS
TITLE OF INVENTION	Enhancing Mechanical Properties of Aluminum Matrix Composites with High-Entropy Alloy Reinforcement via Friction Stir Processing
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	ashwin.prabhu1990@gmail.com
ADDITIONAL-EMAIL (As Per Record)	mechanicalmotivator@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	21/02/2025

Professor has successfully published a Patent, titled "Machine learning —enhanced security & privacy in 6G wireless communicationusing fog and edge computing".

Our Department Faculty, Mr.
Vijay A, Assistant Professor has
successfully published a Paper
titled "A Python Based Machine
Learning Framework for Eye
Blink Detection with BlueEye
Technology", in 2024
International Conference on IoT
Based Control Networks and

Intelligent Systems (ICICNIS).

A Python Based Machine Learning Framework for Eye Blink Detection with BlueEye Technology

Authors A Syed Musthafa, R Sujatha, P Jessie, R Mithuna, R Mekala, A Vijay

Publication date 2024/12/17

Conference 2024 International Conference on IoT Based Control Networks and Intelligent Systems

Pages 1516-1521

Publisher IEEE

Description This research study discusses the results of an Eye Blink Technology, Eye Blink

technology enables interaction with digital interfaces through eye movement tracking, offering a hands-free method for controlling devices. This technology utilizes computer vision techniques, such as those provided by OpenCV and MediaPipe, to detect and track facial landmarks. It captures real-time video from a webcam and processes each frame to detect the positions of eyes and movements thereof. Mapping eye landmarks to screen coordinates is then used by the system to convert movement of eyes into movement of the cursor, while it lets people interact with the system without touching the monitor- eye blinks translate to clicks. This can be basically credited to the immense potential for access tools, which make access to computers much more natural and effective for limited mobility users.

Scholar articles A Python Based Machine Learning Framework for Eye Blink Detection with BlueEye

AS Musthafa, R Sujatha, P Jessie, R Mithuna... - 2024 International Conference on IoT

Based Control ..., 2024 Related articles

L

IQAC Coordinator

Head of the Department



St. Joseph's College of Engineering

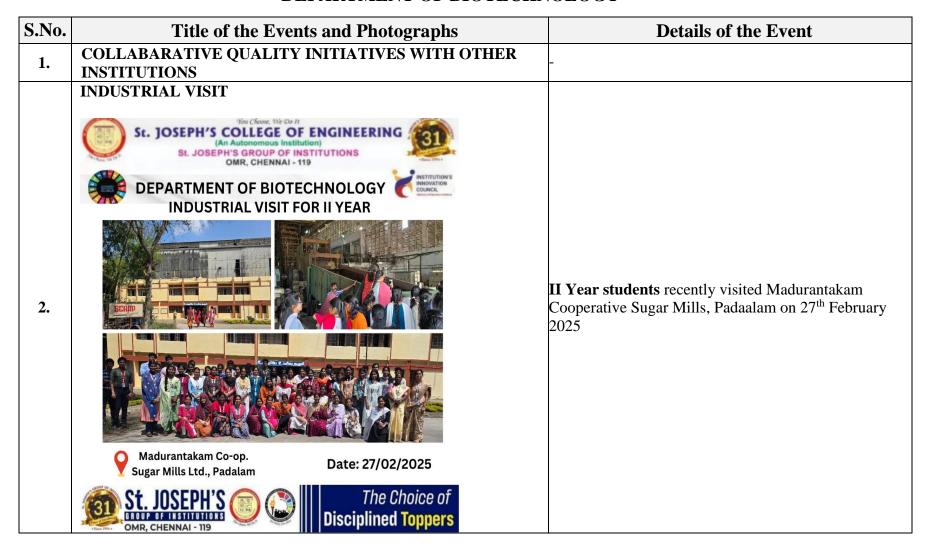
St. Joseph's Group of Institutions

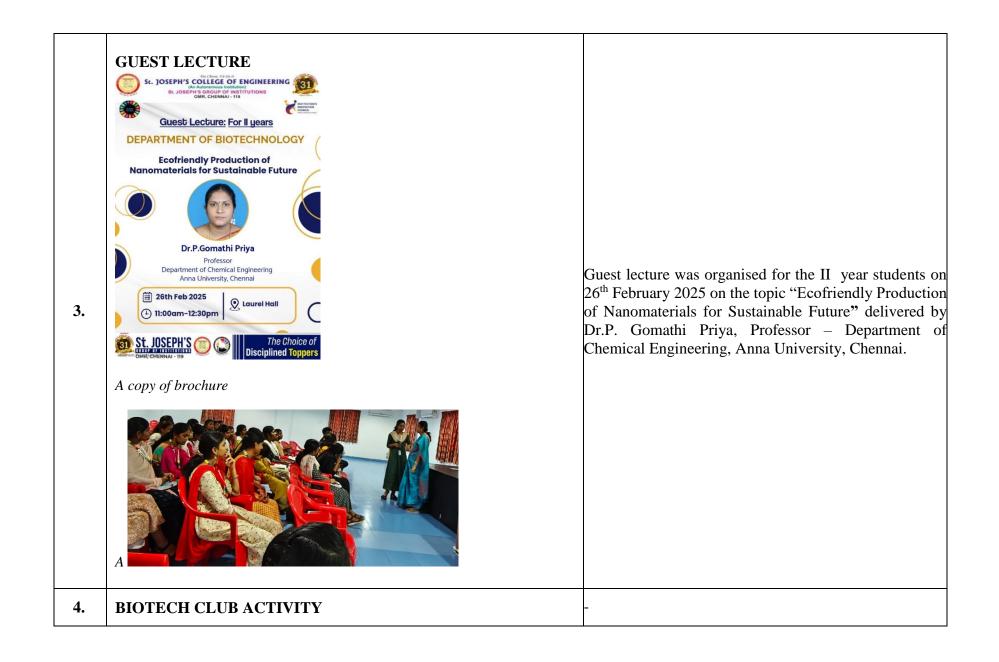
OMR, Chennai – 119.



Date: 20.03.2025

DEPARTMENT OF BIOTECHNOLOGY





FDP/WORKSHOP/CONFERENCE/SKILL DEVELOPMENT



Dr. L. F. A. Anand Raj has attended a two days workshop on "Advanced Research Methodology" on 26th and 27th February

Dr. S. Justin Packia Jacob has been awarded an FDP certificate for successfully completing FDP on "Patent Search" organized by Turnip Innovations.

Dr. G. Baskar has been awarded an three credit course an Swayam Online course on "Blue Economy Entrepreneurship"

Dr. G. Baskar has attended a workshop on "BioEnablers-Biofoundries and Biomanufacturing Hubs" on 21st February

Dr. G. Baskar has participated in the QS Global Academic Survey 2025

Dr. M. Chamundeeswari, has participated in the PDP on "Effective Funding and Consultancy Proposal Writing" conducted by NITTTR, Chennai.

Dr. M. Chamundeeswari has completed AICTE FDP on "Innovation in Manufacturing: Bridging Academic and Industry 4.0 in a Virtual Environment"

5.



CERTIFICATE

OF COMPLETION

Awarded To

Dr. S. JUSTIN PACKIA JACOB

(Professor, St. Joseph's College of Engineering)

For successfully completing the **7-Day Online Faculty Development Program on Patent Search**. Course organised by **Turnip Innovations** and facilitated by **Dr. Rahul Kapoor**

Course date(s): 04 Jan 2025 to 10 Jan 2025 Certificate number: 928201 Certificate URL: turnip.co.in/Certificates/Bv31Ed/

RAHUL KAPOOR

Founder, Turnip Innovations

Turnip Innovations, Mani Casadona, 6WS9, TCS GP Main Rd, New Town AA 2F, Kolkata 700156, India

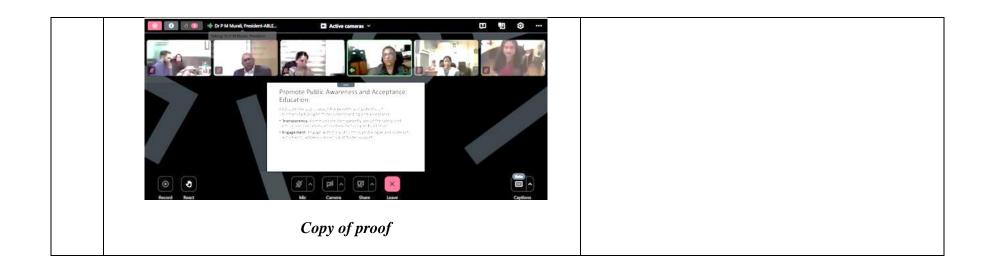
Dr. B. Sangeetha, has attended webinar "Effective writing of grant applications" conducted by Swedish Centre for Resource Recovery at University of Boras, under INBIOWAL project on 19th February, via MS Teams

Dr. M. Shree Rama, have attended FDP "Tailored Treatment:
Advancing Faculty Knowledge in Personalized Medicine" at
St. Peter's College of Engineering and Technology from 27th
January to 1st February

Ms. A. Anli Dino attended FDP on title "Tailored Treatment: Advancing Faculty Knowledge in Personalized Medicine" at St. Peter's College of Engineering and Technology from 27th January to 1st February

Copy of certificate – Dr. S. Justin Packia Jacob







QS Global Academic Survey

Dear Colleague,

The research of today becomes the knowledge of tomorrow. From discoveries in the Sciences to new theories in the Arts, the opportunity for universities to shape our world must not be overlooked. QS's mission to inspire a billion future learners requires us to collect up-to-date insights on the performance of higher education institutions, illuminating academic excellence around the globe.

The results form a fundamental part of the next edition of the QS World University Rankings®, the most widely circulated global university rankings and a tool which helps millions of students worldwide in choosing their university.

Start the survey

Your expert insight, along with that of other academics, is crucial to ensure our rankings are as well-rounded and accurate as possible.

The survey shouldn't take longer than 10 minutes to complete. Please don't miss the opportunity to provide your expert opinion.

Please ignore this email if you have already completed this survey.

Kind Regards,

Dr. Andrew Macfarlane





A copy of certificate



A copy of certificate



CERTIFICATE OF ATTENDENCE



This is to certify that

Dr. Sangeetha Baskaran

has participated in the webinar "Effective Writing of Grant Applications"
conducted by Prof. Mohammad Taherzadeh, Swedish Centre for Resource Recovery
at University of Borås, under INBIOWAL project.

The webinar took place online on 19 February, 2025, via MS Teams platform.



WROCŁAW UNIVERSITY OF ENVIRONMENTAL AND LIFE SCIENCES FBorategislis
Dr. Filip Boratyński, Assoc. Prof.

STA



INBIOWAL Project Coordinator

This workshop has been supported by the Polish National Agency for Academic Exchange under Grant No. 8NI/PST/2023/1/00046

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ATAL/2025/1737534359



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Mrs. Anli Dino, Assistant Professor of St. Joseph's College of Engineering has successfully participated & completed AICTE
Training And Learning (AIAL) Academy Faculty Development Program on Tailored Treatment: Advancing Faculty Envelodege in Personalized
Medicine as T. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY from 2704/2023 to 01:00.2023.

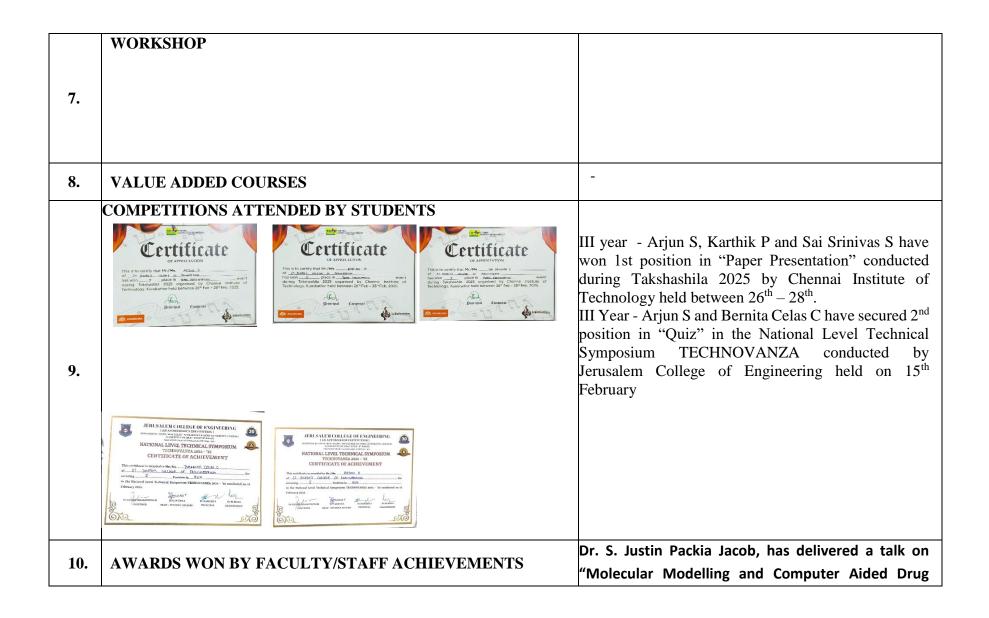


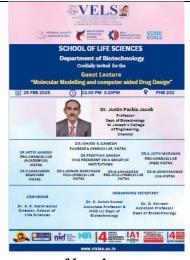
B A GOWRI SHANKAR
Professor Level (AICTE Institute), Coordinator
ST. PETER'S COLLEGE OF ENGINEERING AND
TECHNOLOGY



Dr. Sunil Luthra Director & Bureau Head Training and Learning Bureau, AICTE

A copy of certificate ATAL/2025/1737603297 ATAL ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Nelson Mandela Marg, Vasant Kunj, New Delhi -110070 AICTE Training and Learning (ATAL) Academy Certificate It is certified that Dr. M. Shree Rama, Faculty members of the AICTE approved institutions of st.joseph's college of engineering has successfully participated & completed AICTE Training and Learning (ALL), sandown Faculty Development Program on Tailored Treatment. Advancing Faculty Removinger in Personalized Medicine at ST. PETERS COLLEGE OF PETGALERENN AND TECHNOLOGY from 170/1072 100/2025. B A GOWRI SHANKAR Professor Level (AICTE Institute), Coordinator Dr. Sunil Luthra Director & Bureau Head ST. PETER'S COLLEGE OF ENGINEERING AND Training and Learning Bureau, AICTE A copy of certificate **SYMPOSIUM** 6.





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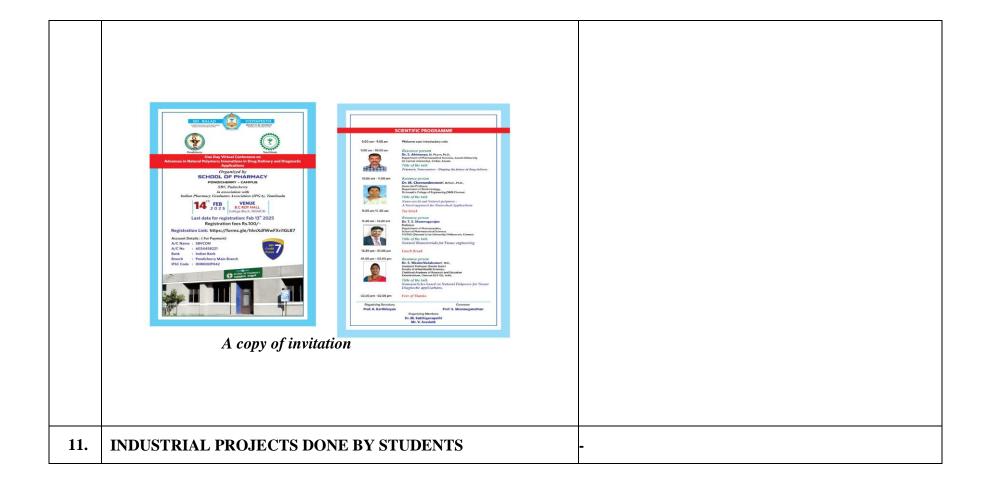
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Design" at VELS institute of Science, Technology & Advanced Studies on 25th of February.

Dr. G. Baskar has received reviewer certification for his contribution to Journal of inorganic and organometallic polymers and materials and Urolithiasis

Dr. M. Chamundeeswari, had delivered a talk on one day virtual conference on "Advances in Natural Polymers: Innovations in Drug Delivery and Diagnostic Application"



PAPER PUBLICATIONS/ BOOK CHAPTERS/PATENT PUBLICATIONS

Original Article

ENERGY & ENVIRONMENT

Adsorptive removal of nickel from waste water using synthesized sodium alginate encapsulated magnetic graphene oxide nanoadsorbent from Strychnous Potatorum seeds

Energy & Environment
1-20

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DOI: 10.1177/093905X251315400
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Rameshbabu Janani¹, Gurunathan Baskar^{1,2}, Ravichandran Pravin¹ and Kandhasamy Siyakumar³

12.

Abstract

The present study investigated the synthesis of sodium alginate encapsulated magnetic graphene oxide (SAMGO) beads from Strychnous Potatorum seeds. The synthesized SAMGO beads were investigated for adsorptive removal of nickel from aqueous solution. The synthesized SAMGO beads were characterized for surface morphology, functional groups, magnetic property and phase identification using SEM, FTI-IR, VSM and XRD analysis. The optimization process involving the SAMGO beads for adsorptive removal of nickle resulted in maximum removal rate under the conditions of contact time – 15 min, SAMGO bead dose – 10 mg/50 mL of solution, nickle ion concentration – 50 mg/L, pH-9 and temperature of 30 °C. Adsorption of nickle onto SAMGO beads was well studied by pseudo-second-order kinetic studies. Also, the adsorption equilibrium study was well fitted towards Freundlich isotherm (R^2 = 0,99). The findings from the regeneration studies demonstrated that the selected desorbing agents, 0.5 M HCl and 0.5 M EDTA were well-suited for desorption. After five experimental cycles, the desorption efficiency decreased by only 10.93% and 7.76% using 0.5 M HCl and 0.5 M EDTA, respectively indicating that the SAMGO beads for reusability. The synthesized SAMGO beads have shown potential to reuse, nontoxic green adsorbent with maximum removal rate.

A copy of paper

- Dr. G. Baskar publisehd a paper titled Adsorptive removal of nickel from waste water using synthesized sodium alginate encapsulated magnetic graphene oxide nanoadsorbent from Strychnous potatorum seed
- Dr. G. Baskar publisehd a paper titled "Optimization and kinetics of biodiesel production from Mesua ferrea oil using K2Co3 imbued on alumina nanocatalyst
- Dr. G. Baskar has published a patent on "Gracilaria corticate infused cookies and preparation method thereof"

Original Article

ENERGY & ENVIRONMENT

Optimization and kinetics of biodiesel production from Mesua ferrea oil using K₂CO₃ imbued on alumina nanocatalyst

Energy & Environment
1-34
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Article rease guidelines:
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DOI: 10.1177/093895X251317219
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Sage

Murugesan Karthikeyan¹, Gurunathan Baskar^{2,3} , Sathish Sundararaman¹ , Michael Rahul Soosai¹, Antony Annam Renita¹, Baskaran Sangeetha² and Deivasigamani Prabu¹

Abstract

The increasing scarcity of fossil fuels and rising geopolitical and environmental concerns have complicated energy production. Mesua ferred linn seeds can be used to produce biodiesel as an alternative to conventional food crops. This study examined the catalytic activity of unsupported K_2CO_3 supported with alumina (K_2CO_3/Al_2CO_3) in the transesterification reaction. The reaction was optimized using two methods: one variable at a time (OVAT) and Response Surface Methodology (RSM) with a Box-Behnken Design (BBD), which helped identify the linear and interactive effects of process variables on biodiesel yield. OVAT determined the optimal conditions to be: catalyst amount (6 wd%), methanol-to-oil molar ratio (6·1), temperature (60°C), time (60 min), and stirring speed (600 rpm). In contrast, RSM predicted the highest methyl ester conversion with: catalyst amount (6 wd%), methanol-to-oil ratio (7.8:1), temperature (55°C), and time (45 min). A confirmation experiment under RSM conditions achieved a maximum FAME conversion of 95.81%. RSM also indicated that the key parameters influencing transesterification, in order of significance, were temperature, time, and methanol-to-oil ratio. A pseudo-first-order kinetic model was also developed, revealing an activation energy of \$3.95 kl/mol.

Keyword

Mesua ferrea, transesterification, solid catalyst, kinetics, biodiesel

A copy of paper

	(12) PATENT APPLICATION PUBLICATION (19) INDIA	(21) Application No. 202541010190 A	
	(22) Date of filing of Application :07/02/2025	(43) Publication Date: 21/02/2025	
	(54) Title of the invention : GRACILARIA CORTICATA INFUSED COOKIES A	AND PREPARATION METHOD THEREOF	
	(51) International classification A21D13-06, A21D13-06, A21D13-00, A21D2-00,	(TI)Name of Applicant: 1 Jianane K S Address of Applicant: Student, Department of Biotechnology, St. Joseph's College of Engineering, Chemni - 600119, Tumil Nadu, India Name of Applicant: NA Address of Applicant: NA Address of Applicant: Na (Z)Name of Applicant: Na Address of Applicant: Student, Department of Biotechnology, St. Joseph's College of Engineering, Chemni - 600119, Tumil Nadu, India Chemni JAmnapraba A P Address of Applicant: Student, Department of Biotechnology, St. Joseph's College of Engineering, Chemni - 600119, Tumil Nadu, India Chemni JBBashare G Address of Applicant Professor, Department of Biotechnology, St. Joseph's College of Engineering, Chemni - 600119, Tumil Nadu, India Chemni College of Engineering, Chemni - 600119, Tumil Nadu, India Chemni	
	(7) Abstract: The present invarious provides Gracilaria corticata infused cookies and proporation method thereof. The Gracilaria corticata cookies comprise the following ingredients: 2 caps of Miller floor. I sempon behing powder, 1/2 sempons behing sooth 1/2 sempons soil: 1 cap method between 1/2 cap granulated urgan; 1/5 cap brown urgan; 1 have goed a tempon vanish as extent and 1/4 on parameted Gracilaria corticate attent to the present of the process comprises, present for Cookies dought define personnel Gracilaria corticate startes; the bitting the Cookies by air frying the cookies until golden brown. The Miller floor destry floor and seawed are added into the ingredient have delicate, amount in all marse critical present and possessing significant mentional and attenderical properties. The Gracilaria corticate acceleration of the present of the contract of the present of the contract of the present of the contract of the c		
	No. of Pages: 14 No. of Claims: 6		
	A copy of patent		
12			
13.	STAFF CONFERENCE PRESEN	ITATION	Dr. M. Chamundeeswari, has participated in the oral presentation at the 8 th International Antalys Scientific Research and Innovative Studies Congress Dr. M. Chamundeeswari, has participated in the poster
			presentation at the "Microplastic 2025" held on 8 th
			February, organized by TNSCST & CEST at Anna University
	•		



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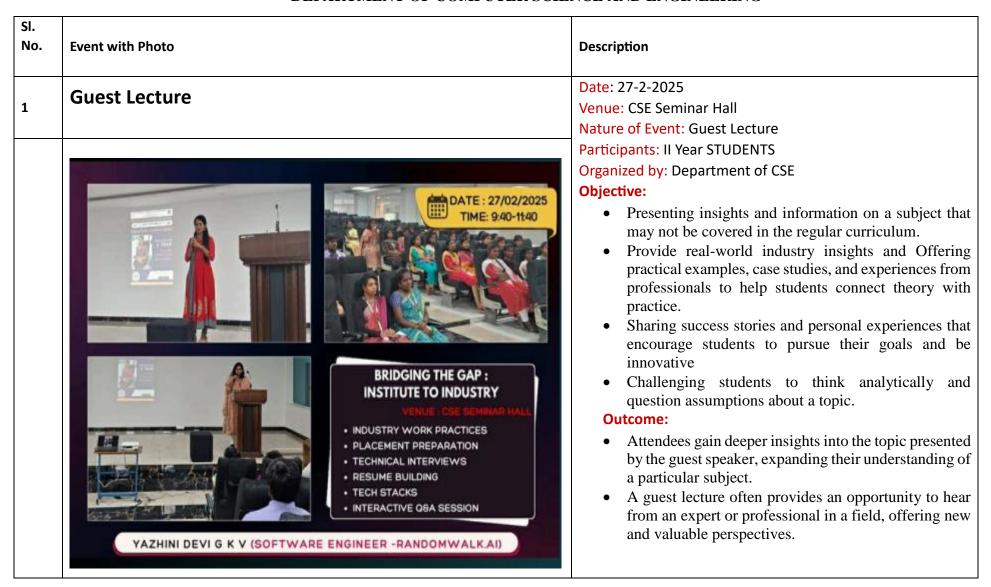


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DEPARTMENT OF CIVIL ENGINEERING

Sl. Photographs Captured During Events No. (Briefs About the Photographs) Corresponding remarks (Minimum 300 words) in regarding execution stating	ing the status of activity
Other activities (if any) 4 students got placed in J&F India Private Ltd, Chennai with stipend of Dr.K.Vijai published a patent titled "DEVELOPMENT OF SELF-HI USING MICROBIAL AND CHEMICAL ADMIXTURES DURABILITY" on 21/02/2025. As A Part of Industry Institute Interaction, Mrs.S.Banupriya and Mrs.R. India Ecological Services Pvt Ltd, Taramani, Chennai.	EALING CONCRETE FOR ENHANCED

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



		A well-delivered lecture can motivate and inspire students or attendees, sparking interest in further learning or action related to the topic.
2	Industrial Visit - 8Queens software technologies Pvt. Ltd.	
		Date: 28.2.2025 Venue: 8 Queens software technologies Pvt. Ltd. Nature of Event: Industrial Visit Participants: II CSE A and D STUDENTS Organized by: Department of CSE



Objective:

- To help students understand how the theoretical concepts learned in classrooms are applied in realworld industrial settings.
- To give a detailed overview of the operations, workflows, and technologies used in various industries, which can enhance the learning experience.
- To familiarize students with the work culture, organizational structure, and day-to-day activities of industries, helping them bridge the gap between academic and professional environments.

Outcome:

- Participants gain first hand experience of how theoretical concepts are implemented in real-world industrial settings. This reinforces their classroom learning.
- The visit provides students with a clearer understanding of the career options available in that particular industry, motivating them to plan their career paths with more clarity and direction.

Guest Lecture

Date: 27-2-2025

Venue: CSE Seminar Hall

Nature of Event: Guest Lecture Participants: II Year STUDENTS Organized by: Department of CSE





Industrial visit at "IIITDM", Kanchipuram

4

Objective:

- Presenting insights and information on a subject that may not be covered in the regular curriculum.
- Provide real-world industry insights and Offering practical examples, case studies, and experiences from professionals to help students connect theory with practice.
- Sharing success stories and personal experiences that encourage students to pursue their goals and be innovative
- Challenging students to think analytically and question assumptions about a topic.

Outcome:

- Attendees gain deeper insights into the topic presented by the guest speaker, expanding their understanding of a particular subject.
- A guest lecture often provides an opportunity to hear from an expert or professional in a field, offering new and valuable perspectives.
- A well-delivered lecture can motivate and inspire students or attendees, sparking interest in further learning or action related to the topic.



Date: 27.2.2025

Venue: "IIITDM", Kanchipuram

Nature of Event : Industrial Visit

Participants: II CSE B and C STUDENTS

Organized by: Department of CSE

Objective:

- To help students understand how the theoretical concepts learned in classrooms are applied in real-world industrial settings.
- To give a detailed overview of the operations, workflows, and technologies used in various industries, which can enhance the learning experience.
- To familiarize students with the work culture, organizational structure, and day-to-day activities of industries, helping them bridge the gap between academic and professional environments.

Outcome:

- Participants gain first-hand experience of how theoretical concepts are implemented in real-world industrial settings. This reinforces their classroom learning.
- The visit provides students with a clearer understanding of the career options available in that particular industry, motivating them to plan their career paths with more clarity and direction.

DEPARTMENT OF MECHANICAL ENGINEERING

SI	Name of the Activity	Remarks
No		
1	St. JOSEPH'S LICENTIFICATION NOT MEMORANDUM OF UNDERSTANDING WIFE INCINEES EMPOWERING TOMORROW: ACADEMICS AND INDUSTRY UNITED	MOU was signed between Department of Mechanical Engineering & IGP Group of Industries on 2nd February. Mr.V. Balasubramaniam, Managing Director of IGP & Dr. B. Babu Manoharan, Chairman of St. Joseph's Group of Institutions signed the MoU for the following: Industrial visits 2. 3. 4. Internships Placements Project work
2	MEMORANDUM UNDERSTANDING WITH PROPERTY INDUSTRIES LLP ACADEMIC EXCELLENCE MEETS INDUSTRIAL EXPERTISE	 MOU was signed between Department of Mechanical Engineering & Rishaba Industries LLP on 5 th February. Mr.K. Siva Shanmugam, Managing Director of Rishaba & Dr. B. Babu Manoharan, Chairman of St. Joseph's Group of Institutions signed the MoU for the following: Industrial visits 2. 3. 4. Internships Placements Project work

3 Faculty Achievements



- Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Radius Bounds of Certain Spiral-Like Functions Over Convex Domains", Fourth International Conference on Materials Science and Mathematics for Advanced Technology (MSMAT 2025) during 06 - 07, February 2025 at NMAM Institute of Technology, Nitte. Manglore, Karnataka, India.
- Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "On Strong Metric Dimension of the Methane Molecular Graph Using Resolving Sets", Fourth International Conference on Materials Science and Mathematics for Advanced Technology (MSMAT 2025) during 06 - 07, February 2025 at NMAM Institute of Technology, Nitte. Manglore, Karnataka, India.
- Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has published a paper entitled "A Fusion of SVR and Fully Connected Networks for Improved RUL Prediction of Lithium Ion Batteries", IEEE Xplore Scopus Indexed Conference on 13th February 2025.
- ➤ Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Experimental Investigations on Drilling of Coconut/Glass Fiber Reinforced Hybrid

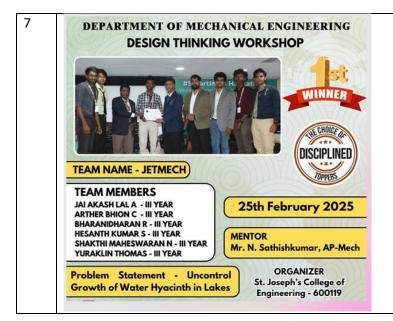
Composites", International Conference on Sustainable Materials and Manufacturing for Industry 5.0 on February 21st & 22nd 2025 at Malla Reddy Engineering College, Hyderabad, India.

- Mr. G. Ashwin Prabhu, Assistant Professor from the Department of Mechanical Engineering has presented a paper entitled "Deep Learning for Weather Prediction and Climate Modeling", International conference on Artificial intelligence and Machine learning for sustainable development on February 21st & 22nd 2025 at Malla Reddy Engineering College, Hyderabad, India
- ➤ Mr. T. Balasubramanian, Assistant Professor from the Department of Mechanical Engineering attended a 6 Days ATAL FDP program "Recent trends in AI empowered 3D Bio Printing technologies towards fabrication of smarter Bio medical implants" Organized by Department of Mechanical Engineering, SA Engineering College.
- ➤ Mr. K. Pravinkumar, Asssitant Professor, Department of Mechanical Engineering attended a 5 day Faculty Development Program on "Autodesk Inventor" conducted by Sri Sairam Institute of Technology organized by Department of Mechanical Engineering In association with ICT Academy and Autodesk. Date: 10th February 2025—15th February 2025

- Program Highlights: Hands-on Training on Autodesk Inventor Skill Enhancement in 3D CAD Modeling & Design Expert Sessions by ICT Academy & Autodesk Trainers
- ➤ Mr. S. Karthick & Mr. O. Thoufiq Adnan, Second Year Mechanical Students Secured Second position with a cash Prize of Rs.750/- in "Technical Quiz, Jarvis'25" Organized by Chennai Institute of Technology, Chennai.
- ➤ Mr. Y. Saitejas & Mr. P. Sushil, Second Year Mechanical Students Secured Third position with a cash Prize of Rs. 1000/- in "Launch Pad IMPULSE 2025" Organized by Chennai Institute of Technology, Chennai.
- ➤ Department of Mechanical Engineering is happy to share that Mr. Darshan M & Mr. Devamanickam R, Second year students selected as a intern in Neelchen Enterprises, Ambattur, chennai, with a stipend of Rs. 6000/- for the duration of 10 daysv (05/02/2025 14/02/2025



We are delighted to announce that our team, Mech Mavericks, won Second Prize with a cash award of ₹5,000 at the L&T-sponsored Smartathon organized by our institution. The team, consisting of Mr. V.S Mugilan , Mr. M. Sangar Vishal, and Mr. R. Rogit Kumar from II Year Mechanical Engineering, showcased their expertise in the Renewable Energy domain. Their project, AI-Driven Wind Turbine Vibration Analysis, demonstrated innovative problem-solving and technological application. This achievement reflects their dedication, teamwork, and passion for engineering advancements. Congratulations to the team for this remarkable success



➤ We are pleased to inform you that our students have excelled in the

Design Thinking Workshop conducted by Startschool, held at the

Placement Block on February 24th and 25th, 2025. Out of 111

participating teams, the best four teams were selected, and the winner certificate was awarded in our college. Among these, JETMECH—a team of III-year Mechanical Engineering students—secured a place among the winners

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SI.	Photographs Captured During Events	Corresponding remarks (Minimum 300 words)
No.		
1	Guest Lecture PIC: EVENT PHOTO	Department of EEE of St. Joseph's College of Engineering organized a guest lecture on "Industrial Automation and EV" 13/02/2025. The resource person Dr.C.Rajapandiyan, Technical head, LSA solutions, Madurai, gave a session which provided students with an understanding of the core opportunities in industry and future perspectives in automation industry and Electric vehicle sector. He also explored the career opportunities these technologies offer and provide insights into how students can develop the skills required to unlock these opportunities.
2	Guest Lecture	Department of EEE of St. Joseph's College of Engineering organized a guest lecture on "Industrial Automation and EV" 22/02/2025. The resource person Dr. Bijo Sebastian, Assistant professor, Department of Engineering Design, IIT Madras, Chennai. The speaker provided fundamental knowledge on mobile robots and manipulators to II year students.



PIC: EVENT PHOTO

Industrial Visit



Our second year students have undergone industrial visit on 24th, 25th, 26th February 2025 to sakthi transformers located in Tirumudivakam SIPCOT industrial estate. They have got practical exposure about various parts of transformers like conservator, breather, bucholz relay, oil temperature indicator, winding temperature indicator, overload relay and cooling fins, etc. They were also briefed about lamination sheet assembling & stampings assembling.



PIC: EVENT PHOTO

NGO activities







PIC: EVENT PHOTO

The IEEE Student Branch Chapter (SBC60101) of St. Joseph's College of Engineering organized a community service initiative for II Year Electrical and Electronics Engineering students on 8 th February 2025. 'A' Section students visited Holy Heart Home Mission - Old Age Home, Avadi, providing electrical maintenance support, basic health assistance, and interactive sessions for residents. 'B' Section students engaged with underprivileged individuals at Paradise Home, conducting skill development workshops, computer literacy sessions, and infrastructure improvements. 'C' Section students visited Varam Old Age Home, Mahabalipuram, leading health awareness programs, renewable energy demonstrations, and recreational activities. The initiative positively impacted local communities by improving living conditions and fostering awareness while enhancing students' technical proficiency, leadership, teamwork, and social responsibility through handson engagement.

IEEE activities



PIC: EVENT POSTER & PHOTO

St. Joseph's College of Engineering successfully hosted SMARTATHON, a 24-hour National Level Hackathon organized by IEEE IAS Madras Chapter & L&T, in association with IEEE SJCE SB Chapter.

A total of 250+ teams from Tamil Nadu, Kerala, and Andhra Pradesh registered for the event. After a rigorous shortlisting process by expert panels, the top 100 dynamic teams were selected for the final presentation under five domains.

This event brought together some of the brightest minds to collaborate, innovate, and develop solutions for real-world challenges. Over 24 hours, participants pushed boundaries, showcased their technical expertise, and created impactful projects.

The best teams were shortlisted by an esteemed panel of judges from L&T, and a prize worth ₹75,000 was awarded by Chief Guest Mr. R. Srinivasan, EVP & Head, L&T Smart World Communication, along with Dr. Babu Manoharan, Chairman, St. Joseph's Group of Institutions.



PIC: EVENT POSTER & PHOTO

The IEEE St. Joseph's College of Engineering Student Branch (SBC60101), in association with the IEEE SJCE Women in Engineering (WIE) Society (SBA60101), organized the essay competition on February 4, 2025, in observance of World Cancer Day. The event aimed to raise awareness about cancer, focusing on early detection, prevention, and the collective effort needed to combat the disease. Over 20 students participated, sharing insights on topics such as inspiring cancer survivor stories and the emotional impact on patients and families. The session concluded with a photo session and the slogan "Together we fight, together we win."

IEEE activities

The IEEE St. Joseph's College of Engineering Student Branch (SBC60101) organized a BOOTCAMP session with topic "EMBEDDED SYSTEMS FOR REAL-TIME ENERGY MANAGEMENT IN SOLAR PV AND BESS" and was presented by Mr. Akshay Kumar R, B.E, Global PCS and Battery Expert, Center of Engineering Excellence, Hitachi Energy, Chennai. Students from Second year of the Department of Electronics and Communication Engineering participated. Certainly, he discussed about the Solar PV Systems and Battery Energy Storage Systems (BESS), Types of Energy Storage Technologies. He also discussed about the role of ECE Engineers in that field. Approximately 60+ students took part in this bootcamp. A Memento was awarded to the speaker by the end of the session as a token of appreciation.

7



PIC: EVENT POSTER & PHOTO

IEEE activities

The webinar session is presented by Mr Samuel Tensingh a renowned expertise in VLSI design who discussed paramount topic such as IoT-Healthcare,IoT-Agriculture,IoT-smart city and the Various Opportunity in Semiconductors Market and VLSI circuit Designs .The webinar witnessed 30 active participant ,with a interactive Q&A session , Delivered a unparalleled learning experience through the session.



PIC: EVENT POSTER & PHOTO

IEEE activities



PIC: EVENT POSTER & PHOTO

The webinar session is presented by **Dr. Mahendra Shukla, an esteemed expert in IoT and VLSI technologies.** He provided indepth insights into **Low-Power Wide-Area Networks (LPWAN) and their applications in IoT, highlighting energy-efficient communication, scalability, and real-world case studies.** The webinar saw 30 active participants, with an interactive Q&A session enhancing engagement. Attendees gained valuable knowledge on LPWAN integration, power optimization, and career opportunities in IoT and semiconductor industries.

Sc. JOSEPH'S COLLEGE OF ENGINEERING

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The webinar on the topic "Future Forward" is presented by Mr. Hemchandar S N, Founder & CEO, Aptitude Guru Hem, Chennai, India. The webinar aimed to help students bridge the gap between college and career by providing valuable insights into career planning, essential professional skills, and strategies for a smooth transition into the corporate world. The event witnessed enthusiastic participation from students, who actively engaged in discussions on career growth, industry expectations, and skill development. The speaker shared practical knowledge and guidance to help students prepare for their future careers with confidence.

PIC: EVENT POSTER & PHOTO

IEEE activities

The webinar session was conducted by **Dr. A.G.** Krishna kanth, an expert in the field, who shared valuable insights into the fascinating world of CMOS-integrated optical sensors. The webinar witnessed active participation over 25 students, who engaged enthusiastically with the topic. The speaker provided a comprehensive overview of the working principles, advantages, and cutting-edge applications of CMOS optical sensors in modern-day technologies, including biomedical imaging, environmental monitoring, and smart sensing systems. The session highlighted how these miniature yet powerful sensors



are revolutionizing various industries by offering compact, low-power, and cost-effective solutions for optical detection.

PIC: EVENT POSTER

IEEE activities

IEEE ComSoc SJCE SB in association with IEEE St. Joseph's College of Engineering student chapter conducted a School visit on 06-02-2025 at Montfort Academy Matric.Hr.Sec.School, Santhome, Mylapore, Chennai. The motto of this event is to exhibit the projects of our students and to encourage them. Second year students from the Department of Electronics and Communication Engineering participated in this event. They explained about their project and displayed their projects and inventions to the school students. Approximately 65 of our second year students took part in this event.



PIC: EVENT PHOTO

IEEE activities

Dr. T.V. Narmadha, Professor, Department of Electrical and Electronics Engineering provided a comprehensive overview of semiconductor advancements, key materials, fabrication processes, and their impact on 5G and 6G networks. Students gained insights into semiconductor advancements and their role in 5G and 6G networks. Understood fabrication challenges and emerging trends in next-generation semiconductors.



PIC: EVENT POSTER

IEEE activities

Dr. M. Ramesh Babu, Professor, Department of Electrical and Electronics Engineering provided a comprehensive overview of smart grid advancements, including key technologies, integration of renewable energy sources, real-time monitoring, automation, and cybersecurity challenges.



PIC: EVENT POSTER

IEEE activities

The webinar session by **Dr. A. Jamna, Associate Professor, Department of Electrical and Electronics Engineering**comprehended about real-world applications, implementation challenges, and future trends in solar, wind, and other renewable energy sources for achieving sustainable development.



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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 February 24, 2025. The event was conducted from 1:40 PM to 3:00 PM, with active participation from all club members.

The Amped Up event featured two exciting rounds. In the **first round**, participants showcased their technical prowess by solving a challenging **Cyber Chase**. The **second round**, titled **Tech Trot Coding Relay** required teams to exhibit



their creativity and communication skills by speaking about a **Industrial-related topic** for one minute. The event emphasized innovation, technical knowledge, and effective communication, fostering a spirit of learning and competition

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Club activities

The "CHOPPERS CLUB" in collaboration with PELS at St. Joseph's College of Engineering, specializing in Electrical & Electronics Engineering, hosted a technical event **ELECTRAVERSE** on January 08, 2025. The event consist of 3 rounds which are:

ROUND 1- ELECTRIC QUIZ, ROUND 2 -SPEAK SPHERE and ROUND 3-DEBATE

Hands-on activities like circuit building, debugging, and prototyping enhance practical skills and problem-solving abilities and promotes effective communication and collaboration among team members during group tasks.



PIC: EVENT POSTER & PHOTO

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 February 12 2025. The event commenced at 1.40 pm and concluded at 3.00 pm, with all the members of the club.



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

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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 February 8, 2025. The event was held from 1:40 pm to 3:00 pm and was attended by all club members.

Hands-on activities like circuit building, debugging, and prototyping enhance practical skills and problem-solving abilities and promotes

PIC: EVENT POSTER & PHOTO

effective communication and collaboration among team members during group tasks.

2

Club activities





The **ENSAV CLUB**, in collaboration with the **IEEE POWER AND ENERGY SOCIETY**, at **St. Joseph's College of Engineering**, organized a technical event on February 05, 2024. The event took place from 1:40 pm to 3:00 pm and was attended by all club members.

THE EVENT CONSIST OF 3 ROUNDS

ROUND 1- ECO QUIZ

ROUND 2 – THE VOICE ARENA

ROUND 3-TECH FINDERS

Club activities The CHOPPERS CLUB, in collaboration with the IEEE POWER ELECTRONICS SOCIETY, at St. Joseph's College of Engineering, organized a technical event on February 25, 2025. The event was held from 1:40 PM to 3:00 PM and was

The Choice of Disciplined Toppers

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THE EVENT CONSIST OF 2 ROUNDS

ROUND 1- THE ENERGY CHALLENGE

ROUND 2 - VOICE VORTEX.

attended by all club members.

St. JOSEPH'S COLLEGE OF ENGINEERING St. JOSEPH'S COULT OF 1855 TITUTIONS DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING IN ASSOCIATION WITH SCHIEF OF THE STREET OF THE STREET

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The Choice of

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 February 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- INSIGHTS & IMPACT PANEL

ROUND 2 – KNOWLEDGE EXPEDITION

ROUND 3 - INNOVATORS' PITCH

Club activities



PIC: EVENT PHOTO

BIS Standards Club in association with The Bureau of Indian Standards at St. Joseph's College of Engineering successfully conducted an online Logo design competition on February 13 as part of its initiative to engage students in the standardization process through creative expression. The competition aimed to encourage students to design a unique and meaningful logo representing essence of standardization, quality and safety.



Club activities

PIC: EVENT PHOTO

The Bureau of Indian Standards in association with St. Joseph's College of Engineering conducted a Standards writing Event on February 13. The event aimed to introduce students to the process of developing and understanding standards, reinforcing quality, safety and regulatory compliance in various industries.

Placement club activities





PIC: EVENT PHOTO

The Department of EEE has conducted the SEERA training program on 07/02/2025 for SECOND year students through Lingual Clique and Bright Byte Coders Club. The speakers of the event are also from second year students

ASHWINI D on the topic HVDC TECHNOLOGY,

JESLIN ANISTA J on the topic FUNDAMENTALS OF CLOUD COMPUTING

SANGAMESHWARAN on the topic ROBOTICS AND AUTOMATION

2

Placement club activities



PIC: EVENT PHOTO

The Department of EEE has conducted the SEERA training program on 14/02/2025 for SECOND year students through Lingual Clique and Bright Byte Coders Club. The speakers of the event are also from second year students

Swarna on the topic Permutations and combinations

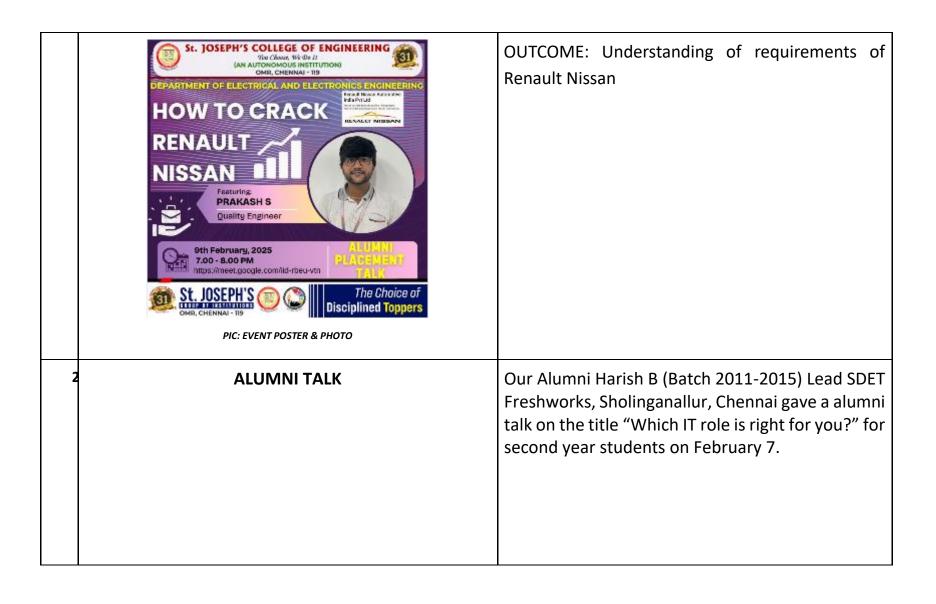
Sharmini S P on the topic Corona effect in transmission line

Arjun P on the topic Diving deep into TANGEDGO

ALUMNI TALK

On Feb 9th 2025, the Department of Electrical and Electronics Engineering at St. Joseph's College of Engineering, conducted an event "How to Crack Renault Nissan" presented by Mr. Prakash S Quality engineer, RNAIPL, 2020-24, our alumnus. Approximately 40 Students from the final year attended the event 7pm to 8pm through online. The event ended with the clarifications and discussions based on present requirements in Renault Nissan.

2





PIC: EVENT POSTER & PHOTO

Student achievements



Padala Dhonika, (II EEE B) Won 5th place with cash prize of Rs.6000 in National level Triathlon organized by Indian Olympic Association (IOA).

Kanishka S, Rakshaya B.C (II year) were Runners in Volley Ball Open Tournament -2025 held at Thittuvilai Nagarcoil sulaiman volleyball club on 16/02/2025

• St.Joseph's College of Engineering has achieved a remarkable milestone in the National Entrepreneurship Challenge (NEC) 2025, organised by IIT Bombay. Competing against 1500+colleges, our team, Josephite Mavericks (NEC240323), secured the 18th position among the 60 finalists. In the grand finale we proudly ranked 7th nationwide, standing as the only

2

Pic: EVENT	PHOTO PRIZE	private college from south India in the top 10, alongside IIts and NITs.
³ Faculty developmen	t program and patent	 Our faculty Dr.N.Chidambaraj has published a patent titled "A machine learning framework for enhancing teacher training to engage students in challenging and complex issues in higher education". Our faculty Ms. S.Gomathi has published a patent on "AI – Enhanced tools for managing technostress and promoting techno-eustress among teachers in higher education institutions". Our faculty Ms.R.G.Nirmala has participated in one week faculty development program on AI tools organized by Brainovision solutions India pvt ltd. partnering with St. Joseph's College of Engineering. This program is also supported by AICTEand was held from 17 to 21 of February 2025.
3 Faculty F	Publication	 Mr. S Sivakumar published a paper titled "An Ingenious Bidirectional T-Type Multitier Inverter Tailored for Electric Vehicle Applications" in International Conference on Science Technology Engineering and Management (ICSTEM) Dr. M. Ramesh Babu published an article titled "Hybrid EVO-CFNN approach for improve voltage stability of distribution system performance using superconducting magnetic energy

		storages inter linked with wind turbine" in Journal of Energy Storage. • Dr. Jayarama Pradeep published an article titled "Water Absorption and Mechanical Behaviour of Bagasse Fibre and Particle-Reinforced Hybrid Composite Materials" in Journal of Polymer and Composites. • Dr. Narmadha T V published an article titled "Time Domain and Qualitative Analysis of a Compact Asymmetrically Fed Circular UWB Antenna for WBAN Scenarios" in International Journal of Electrical and Computer Engineering Systems and also another article titled "Hybrid Power Generating System Sources and Load Synchronization Using Adaptive-Neural-Fuzzy-Inference-System and Pelican Optimization Algorithm Technique" in IETE Journal of Research.
3	PLACEMENT DETAILS FOR THE MONTH	2021-2025 Batch
	OF FEBRUARY 2025	Total No of students placed = 81 Students
		Total No of Offers = 105 Offers
		Total No of Students (UG) = 194
		Total No of Eligible Students (UG) = 160 (All Clear)
		% of students Placed (UG) = 81/194 = 41.7 %
		No of students having single offers = 62
		No of students having Double offers = 16
		No of students having Triple offers = 4

DEPARTMENT OF MBA

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FACULTY PUBLICATION / PATENT:	1.	Kaviya M, MohanaPriya R, Lekshmi R.S. (2025). A Study on Work Life
		Balance of Women School Teacher's working In Private
		Schools. European Economic Letters (EEL), 15(1), 955–964.
		https://doi.org/10.52783/eel.v15i1.2471(ABDC)
	2.	S. Vijayakanthan, J. NavenaNesakumari, S. Uma, R. S. Lekshmi, A.
	۷.	
		Sathish and S. Avinash, "Modernizing Finance, HR: AI, IoT, and Cloud
		Solutions for Enhancing Efficiency and Employee Satisfaction," 2024
		International Conference on Intelligent Systems and Advanced
		Applications (ICISAA), Pune, India, 2024, pp. 1-6, doi:
		10.1109/ICISAA62385.2024.10829102.
		(IEEE)
	3.	R. Muzhumathi, S. Vijayakanthan, L. Rajeshkumar, R. S. Lekshmi, S.
	J.	Chandrasekaran and R. Selvameena, "Strategic Human Resource
		Management Innovations in Finance and Marketing with ML," 2024
		International Conference on Intelligent Systems and Advanced
		Applications (ICISAA), Pune, India, 2024, pp. 1-6, doi:
		<u>10.1109/ICISAA62385.2024.10829359.</u> (<i>IEEE</i>)
	4.	DrS.Uma, Dr.Lekshmi.R.S, Dr K R Mahalaxmi, Dr.V.Sheela Mary,
		"Ecommerce & Digital Marketing Strategies", SK Research Group of
		Companies, ISBN: 978-93-6492-419-1
	5.	Patent Grant received for IOT AND BLOCKCHAIN BASED DATA STORAGE
],	DEVICE in the name of Dr.T.Sripriya, Kalaipriya Omprakash, Dr.K.Priyadarsini,
		Dr.J Arunarasi, Dr.V.Samuthira Pandi, S.Aravinth , Dr.G.Premalatha.
		Di. J. Arunarasi, Di. v. Samuumra Fanui, S. Aravinui, Di. O. Fichialama.

FACULTY FDP / STTP / CONFERENCE / SEMINAR PARTICIPATION:



Mr.Surendiran David has participated in the Five Day Training Programme on "Mastering Multivariate Analysis: Techniques, Tools and Techniques for Advanced Research" organised by Department of Industrial Engineering, Anna University, Chennai from 17th to 21st February 2025.



Mr.S.Arvinth has received a Best Faculty Award from Scientific International Publishing House.

Dr.Jawaharrani R was winner at National YESUMMIT 2025 for demonstrating outstanding entrepreneurial Excellence and Innovation held from 20 to 22 Feb, 2025

NGO VISITS:







59 First Year MBA students accompanied by Dr. S. Gangadharan and Ms.Angelpriya visited Anbu Thondu Nilayam on 20.02.2025. There were 40 inmates in the home. Provisional needs for the inmates were provided by our students. The students voluntarily served the college sponsored lunch to the inmates with vegetarian and non-vegetarian dishes.

61 First Year MBA students accompanied by Mr.Arvinth and Dr. Indumathi visited Vasan Health Care on 20.02.2025. There were 60 inmates in the home. Provisional needs for the inmates were provided by our students. The students voluntarily served the college sponsored lunch to the inmates with vegetarian and non-vegetarian dishes.

45 First Year MBA Integrated students accompanied by Dr. Sathish and Dr.Menaga visited Annai Teresa Social Welfare Trust on 20.02.2025. There were 80 inmates in the home. Provisional needs for the inmates were provided by our students. The students voluntarily served the college sponsored lunch to the inmates with vegetarian and non-vegetarian dishes.

INDUSTRIAL VISITS:





The industrial visit for the II year MBA students was destinated to be at "Thirumala Milk Products Pvt. Ltd" on 16.09.2023. It is a diary product manufacturing unit which is located in Madurantakam, Chennai. The visit sums up to about 36 students and lead by two faculty members Dr.Ajith and Dr.R.Monisha.

The students were first advised about the mandatory safety precautions about wearing headcaps and coats as a regulation of the industry. Then, the instructor briefed about the various safety certifications such as FSSAI certification, FSSAC22000, Halal certification which is to ensure about the quality standards of the milk products.

On 27th February 2025,II-MBA integrated 27students accompanied by Dr. Angel Priya. J and Dr.Balamurugan. J embarked on an insightful industrial visit to Modern Bakers Madhavaram. Parle Products, a prominent Indian manufacturer of biscuits and confectionery, was founded in 1929 in the Vile Parle suburb of Mumbai. The company's name, "Parle," is derived from this locality. Initially, the factory produced sweets and toffees, and in 1939, it expanded to manufacture biscuits, introducing the now-iconic Parle-G brand. Over the years, Parle-G became a staple in Indian households, known for its affordability and taste

VALUE ADDED COURSE:



The three-day value-added program conducted by Finmark, led by Mr. Glenn and Mr. Murali Rajagopalan, which provided a comprehensive understanding of financial markets and investment strategies. The program covered key topics including financial systems, equity markets, derivatives, options, capital markets, advanced derivative instruments, market capitalization, mutual funds, and investment analysis.

DEPARTMENT OF SCIENCE

Sl.	Events	Remarks
No. 1	Collabarative Quality initiatives with other institutions	 Consultancies: Dr. S.M. Prakash, received a consultancy honorarium of ₹22,100 from IIT Madras for NPTEL Translation Project for the courses "Environmental Quality Monitoring & Analysis (Course ID: 103106162), Introduction to Mechanobiology (Course ID: 102101058), and Computational Systems Biology (Course ID: 102105068). Dr. N. R. Rajagopalan, received a consultancy honorarium of ₹5,250 from IIT Madras for NPTEL Translation Project for the course "Appreciating Linguistics: A Typological Approach" (Course ID: 109106159)
		 Doctoral Committee Members: Dr. K. Jayamoorthy - for Ms. Baby Gowri C's Ph.D. program at the Centre for Research, Anna University, under the guidance of Dr. V. T. Geetha from the Department of Chemistry, Sri Sai Ram Engineering College. Dr. P. Krishnan - for Mr. Ebenezer K's Ph.D. program at the Centre for Research, Anna University, under the guidance of Dr.S.Suresh from the Department of Physics, Saveetha
4	FDP/Workshop/Conference	Engineering College ,Chennai . ATAL FDP ATTENDED 1. Dr. C. Chandrasatheesh attended 6-day Online ATAL Faculty Development Program (FDP) titled "Empowering Educators: Advancements in Artificial Intelligence and Its Applications in Computer Science," conducted by "Sri Mittapalli College of Engineering" held between 10-02-2025 TO 12-02-2025. CONFERENCE CHAIR 1. Dr. P. Saravanan, has Chaired a session at the "International Conference on Innovations in Engineering, Management, and Science (ICIEMS-II)2025" organized by St. Xavier's College of Management & Technology (SXCMT), Patna, held on 27-02-25 & 28-02-25
8	Competitions attended by students	1. Mr. Mageshwaran S, Mr. Manoj A V, Mr. Karthik G, Mr. Nikhil Nathaniel Joshua, Mr.

	A C Durdens Warman of LECE and Start 11 of THADDINGE A CHILL NO.
	A S Prethev Kumar, of I ECE participated in the HAPHYST event at Hackerz - National
	Level Technical Symposium, hosted by the Chennai Institute of Technology on
	3.2.2025.
Awards/Prize won by students / Staff	1. Mr. Uvarajan M and Ms. Mithra L, I Chemical, secured second prize for presenting an
	online paper titled "Keratin Hydrogel Extraction from Chicken Feathers: A Green,
	Sustainable Approach for Tissue Regeneration" at "35th National Level Inter-
	University Chemical Engineering Students' Seminar (InChES' 25), organized by the
	Department of Chemical Engineering, Annamalai University, on 7.2.2025.
	2. Ms. Shanju Shriya of , I ADS, secured first prize in the "quizverse - National Level
	Technical Symposium" conducted by the Chennai Institute of Technology on 5.2.2025.
	3. Ms. Monika R A and Ms. Lavanya K, of I ECE secured First Prize in the technical
	event "BRAINIAC- National level technical symposium", conducted by the Chennai
	Institute of Technology on 4.2.2025.
	4. Mr. Surendar G.R, of I ECE won first place in the H2O Rocketry-Thakshashila event
	organized by "Easwari Engineering College, Chennai", on 22-02-2025.
	5. Mr. Surendar G.R, of I ECE won second prize in the Bugsmash event at the
	"International Technical Symposium, Pinnacle '25" organized by "Chennai Institute of
	Technology", on 26-02-2025.
	6. Mr. Shyam Krithik A and Ms. Waseela Fathima KS, I Chemical, won first place in the
	Task and Tell event - PANSOPHY'25, National Level Technical Symposium
	organized by Sri Venkateswara College of Engineering (SVCE), on 22-02-2025.
	7. Ms. Gokula Lakshmi A G of I Chemical won third prize in the "Block and Tackle, a
	debate-style event" organized by Eswari Engineering College, Chennai on 22-02-2025.
	8. Ms. Vinaya S of I Chemical won First prize in the "Tech Tank event" organized by
	Eswari Engineering College, Chennai on 22-02-2025.
	9. Ms. Vinaya S of I Chemical won Second prize in the "Paper presentation Event"
	organized by Eswari Engineering College, Chennai on 22-02-2025.
	10. Ms. Sreenidhi R of I ECE won Third prize in the "Prompt Craft Event" organized by
	Velammal Engineering College, Chennai on 23-02-2025.
	11. Anto Jeffrey A, Kiruba Nidhi V R, and Dhwarakanath D of I EEE A won second prize
	in Circuit Debugging Event, organized by SRM Institute of Science and Technology
	on 23-02-2025.
	Awards/Prize won by students / Staff

	 Mrithula J, Priyadarshini R, Sri Akshitha Devan, Sakthi Varunishaa S, and Monika M of I ADS C won second place in "Green Screen Event" organized by Easwari Engineering College on 25-02-2025 Ms. Anjana Rangarajan of I ECE won first prize in "Ideathon 1.0 event" conducted by St. Joseph's College of Engineering, Chennai on 28.02.2025. Sri Akshitha Devan, Sangamithra Dillirasu, Priyadharshini S, and Pranitha A of I ADS won third prize in "Ideathon 1.0 event" conducted by St. Joseph's College of Engineering, Chennai on 28.02.2025. Mr A Allan Immanuel, Mr R P Dhaya Dheeran, Ms A M Lathika, Ms S Deepalakshmi, and Ms M Abisha, of I EEE, won first prize in the Day-1 Design Thinking Workshop conducted by St. Joseph's College of Engineering, Chennai on 28.02.2025.
11 Dublications (only mublished) determ	i i i i i
11 Publications(only published) details	 Journal Publications: Dr. P. Saravanan, has published an article titled "Panoramic Advancement of Digital Marketing: Impact of Personalized Promotion Factors on Consumer Purchase Intention Concerning Food Delivery Apps" in the journal of "Informatics Education and Research",(2025)

- https://doi.org/10.1016/j.csite.2025.105919.)
- 6. Dr. K. Jayamoorthy, has published an article titled "Structural Elucidation and Computational Studies of Novel Bidentate Organometallic Complexes of 2Thiophene Carboxylic Acid with Ethyl-2-Amino Acetate" in the journal of "Molecular Structure",(2025) (DOI: https://doi.org/10.1016/j.molstruc.2025.141829)
- 7. Dr. K. Jayamoorthy, has published an article titled "Nano Silica as a Catalyst for Efficient and Green Synthesis of Imidazole Derivatives: Exploring Catalytic, Photophysical, and Nonlinear Optical Properties "in the journal of "Silicon",(2025) (DOI: https://doi.org/10.1007/s12633-025-03241-7)
- 8. Dr. B. Subash, has published an article titled "High-Performance Photocatalytic and Antibacterial Properties of WO₃/ZnO Honeycomb Structures: Synthesis and Mechanistic Insights "in "Journal of the Iranian Chemical Society",(2025) (DOI: dol.org/10.1007/113738-025-03190-3.)

Books/ Book Chapters

- 1. Dr. Uma Devi A, has authored a book chapter titled "Career Switching and Moon Jobs for Unlocking Potential in Multinational Environments," published by IGI Global Scientific Publishers. DOI: 10.4018/979-8-3693-4163-6.ch013.
- Dr S M Prakash, has authored a book titled "Introduction to Nanotechnology: Concepts and Applications" published by Addition Publishing House. ISBN 9789364 221412.

Patents

- Dr. A. Uma Devi has published a patent titled "High-Efficiency Thermoelectric Converter for Medical and Industrial Energy Harvesting Applications" in the "Official Journal of the Patent Office – Journal issue 07/2025" – Application No. 202541009400, dated 14-02-2025.
- 2. Dr. S. Manikandan has published a patent titled "Innovative Methods for Utilizing Bismuth Ferrite Nanoparticles in Functional Nanochannels for Various Applications" in the "Official Journal of the Patent Office Journal issue 09/2025" Application No. 202541013658, dated 28-02-2025.

Reviewer:

		Dr.N.R. Rajagopalan 1. Journal of Physics and Chemistry of the Earth 2. Radiation Physics and Chemistry
		Dr. K. Jayamoorthy
		 Results in Chemistry Scientific Reports Journal of Molecular Structure Current Organic Chemistry Journal of Photochemistry & Photobiology, A: Chemistry
		Dr. B. Subash
		Current Analytical Chemistry Current Organic Chemistry
12	Funded Projects Other activities(if any)	
13	Other activities(if any)	 Department of Science has conducted the following Alumini Talk program. Discovering the Potential of Interdisciplinary AI - by Mr.Arokia Praveen, (2016-2020 Batch) and CEO of Phosphene AI - on 26.02.2025. Beyond the Code: Hackathon Success - by Mr. Eneeyan Nanmaran, (2016-2020 batch) and Senior Data Analyst at Verizon, Chennai – on 27.02.2025

DEPARTMENT OF MATHEMATICS AND ENGLISH

Events				Remarks			
P/Workshop/Confer	ence						
	S. No	Staff Name	FDP Title	FDP Title C		Date	
ELECTATE DEPENDANCEST PROGRAM	1 Dr. S. Aruna Adapting to Emerging Trends		Psgr Krishi Women	nammal College For	17-02-2025 to 22-02-2025		
A S	2.	Dr. G. Meenadevi	Al Tools	Brainovision Solutions India Pvt. Ltd in association with AICTE & 200+ Colleges Universities all over INDIA		17-02-2025 to 21-02-2025	
	Confere	nce Presented					
	S. No	Staff Name	Paper Title		Organized by	Date	
	1	Dr. S. Aruna	Effect of angle of attack on drag reduction for a large blunt cone flare body in hypersonic turbulent flow using a counterflow jet: A		International Conference on Nonlinear Dynamics Modeling and	17-02-2025 to 19-02-2025	
			computational Study		Computation		

Simple Graphoidal Covers

Mathematics & IKS

	4 5	Dr. S. Arulperumjothi Dr. Nancy Delaila Mr. S. M. Balaji	Topological Tie Shaped wirelength josephus cu Exploring Re Neutrosoph Enhancing (Optimizatio	d Degree-based M Characterization of Graphene Nanoflatory optimization of combe into certain graph elationship Betweetic Topological Indicated Indicated Reaction on Through F-index utrosophic Graphs	of Bow- akes mplete aphs en ices and Pathway k, Edge F-	ganized by hirumalai I College, M	Naicker		
Symposium Awards/Prize won by staff				-					
	S. Name No. Stud		Branch & Sec	Event	Organized	d by	Date	Place	Cash
Awards/Prize won by students	1	Rashmika Raghunath Sabrin M Pooja Parakunni S	I BIOTECH	Block &Tackle	DATRON Easwar Engineering	ri	01-02-2025	III	-
					HACKERZ 2	2025			

	3	Vishalini Vidhiya M	I CSE E	Brain-O-Holic	TROJANS Chennai Institute Of Technology	05-02-2025	II	2000
	4	Yashaswini	I CSE E	Quizverse	REVIL'25 Chennai Institute Of Technology	10-02-2025	ı	1000
	5	Sabrin H	І ВІОТЕСН	Article Writing	"Think Piece 2025"	Feb 2025	I	8000
	6	S Sanjay Kumar S Mughilan	I MECH B	Mr.Machinist	MECHGUST'25 Chennai Institute Of	17-02-2025	I	1000
	7	Arulinian L V Aadhi Palaniappan	I MECH A		Technology		II	750
	8	Joel Poshiya J Naveen Raj T Ashiq Omar M	I IT B	Ideathon	MINDSPARK'25 Sri Ramachandra Faculty of Engineering and Technology	21-02-2025	Best Project	
Other activities	L	1	I		<u>I</u>	<u> </u>		l