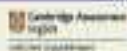




Tel. (044) 24 31 04 31  
**St. JOSEPH'S COLLEGE OF ENGINEERING**  
(An Autonomous Institution)  
**St. Joseph's Group of Institutions**  
OARL, Chennai - 118



Approved by AICTE, New Delhi and Affiliated to Anna University



# DEPARTMENT OF SCIENCE

APRIL 2025

# NEWSLETTER



## VISION & MISSION



The Department of Science strives to mould the students to the best of their ability to develop their knowledge in basic science required for a budding engineer, to compete and contribute to industry and research. The department hopes to train the young engineers to excel in scientific thinking and logical reasoning.



To create awareness of the potential of Science and scope of its applications to the diversified areas of engineering and technology in industries and research. To secure a pass percentage of above 95% results in university examinations



## STUDENT ACHIEVEMENTS

First-year ADS students Sangamithran D, Sodhana K, Ryan Christ R, and Mohammed Imaan Sulthan G M actively participated and emerged as winners in the Coding and Debugging event at the Inter-College Symposium Horizon 2K25, held at Jeppiaar Engineering College on 3rd April 2025.



Bressanth R, a first-year student from the Department of Artificial Intelligence and Machine Learning (AIML), achieved remarkable success at the National Level Technical Symposium SYNEXZIA 2K25, organized by the Department of Information Technology, Agni College of Technology, on April 5, 2025. He secured:

- First Place in the Team Coding event,
- Second Place in the DecodeX event, and
- Second Place in the Copy Cat event.



Prakash Raj, a first-year student from the Department of Artificial Intelligence and Machine Learning (AIML), showcased his talents at the National Level Technical Symposium SYNEXZIA 2K25, organized by the Department of Information Technology, Agni College of Technology, on April 5, 2025. He secured:

- Second Place in the DecodeX event,
- Third Place in the Team Coding event, and
- Third Place in the Copy Cat event.

Prasanth K, a first-year student from the Department of Artificial Intelligence and Machine Learning (AIML), secured the first Place in the Team Coding event at the National Level Technical Symposium SYNEXZIA 2K25, organized by the Department of Information Technology, Agni College of Technology, on April 5, 2025.

## STUDENT ACHIEVEMENTS

Surya S, a first-year student from the Department of Artificial Intelligence and Machine Learning (AIML), secured the Second Place in the Team Coding event at the National Level Technical Symposium SYMEXZIA 2K25, organized by the Department of Information Technology, Agri College of Technology, on April 5, 2025.



## STUDENT ACHIEVEMENTS

## DEPARTMENT OF SCIENCE

## NPTEL ACHIEVERS-2025

*(Exclusively from ADS, AML, ECE, EEE, CCS, CHEM)*

- TOTAL STUDENTS APPEARED : 763



- TOTAL PASSED : 637



- ELITE CERTIFICATES : 329



- ELITE SILVER CERTIFICATES : 70



- ELITE SILVER TOPPERS : 4



- CERTIFIED WITH PASSMARK : 234



## STUDENT ACHIEVEMENTS



The Choice of the Topper

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(An Autonomous Institution)

St. JOSEPH'S GROUP OF INSTITUTIONS

OMR, CHENNAI - 118



DEPARTMENT OF SCIENCE

NPTEL : TOPPERS AND SILVER MEDALISTS



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



MR. ANAND KUMAR



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Disciplined Topper



## STUDENT ACHIEVEMENTS

ESTD 1963

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DEPARTMENT OF SCIENCE

NPTEL - TOPPERS AND SILVER MEDALISTS

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## STUDENT ACHIEVEMENTS

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DEPARTMENT OF SCIENCE

NPTEL - TOPPERS AND SILVER MEDALISTS



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2019



ADARSH  
2019



ANUSHA  
2019



ADARSH  
2019



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## STUDENT ACHIEVEMENTS



Est. 1963, 111 St. J  
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## DEPARTMENT OF SCIENCE

NPTEL : TOPPERS AND SILVER MEDALISTS



DR. S. S. SRINIVASAN  
 NPTEL : TOPPER



DR. S. S. SRINIVASAN  
 NPTEL : TOPPER



DR. S. S. SRINIVASAN  
 NPTEL : TOPPER



DR. S. S. SRINIVASAN  
 NPTEL : TOPPER



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DR. S. S. SRINIVASAN  
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DR. S. S. SRINIVASAN  
 NPTEL : TOPPER



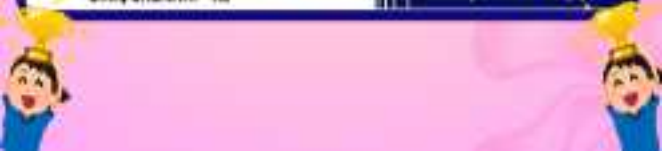
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## STUDENT ACHIEVEMENTS



EST. 1983

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DEPARTMENT OF SCIENCE

**NPTEL : TOPPERS AND SILVER MEDALISTS**



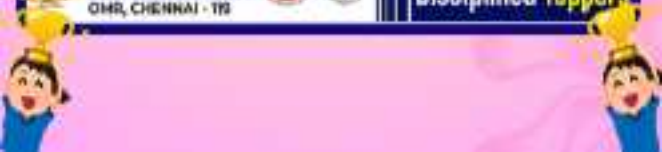
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# SUMMER INTERNSHIP TRAINING PROGRAM

DATE: 22-04-2025 TO 26-04-2025



FOR SCHOOL STUDENTS  
(X, XI, XII)

## TRAINING BENEFITS:

- CODE CRAFTS
- WEB WONDERS
- TINKER TECH
- CONNECTING THE FUTURE
- MAP MOSAIC



ORGANIZED BY

DEPARTMENT OF SCIENCE AND  
HUMANITIES,  
DEPARTMENT OF ELECTRONICS AND  
INSTRUMENTATION AND CIVIL  
ENGINEERING



**St. JOSEPH'S**  
SCHOOL OF DISTINGUISHED  
LEADERSHIP



*The Choice of  
Disciplined Toppers*

## SUMMER INTERNSHIP 2025

### DEPARTMENT OF SCIENCE & HUMANITIES, ELECTRONICS AND INSTRUMENTATION AND CIVIL ENGINEERING

The Departments of Science and Humanities, Electronics and Instrumentation Engineering, and Civil Engineering organized a Summer Internship Training Program from April 22 to April 26, 2025. Designed for students of Classes X, XI, and XII, the program offered a valuable opportunity to gain practical experience and hands-on exposure to cutting-edge technologies. Through a combination of expert-led lectures, interactive workshops, and project-based sessions, the internship promoted critical thinking, technical proficiency, and collaborative learning.

#### Daily Highlights & Speakers

##### Day 1 - App Development (Code Craft)

**Speaker:** Mr. Arundhara Thangaraj, Director, Bootstrap Product Development  
Covered mobile app ecosystems, UI/UX basics, and live demonstrations.

**Outcome:** Sparked interest in app development and design thinking.

##### Day 2 - Remote Sensing (GIS Map Mosaic)

**Speakers:** Mrs. Rathna and Mrs. Banupriya, Department of Civil Engineering  
Introduced satellite mapping, GIS tools, and real-world applications.

**Outcome:** Developed awareness of geospatial technology and its uses.

##### Day 3 - IoT (Industry 4.0 (Connecting the Future))

**Speaker:** Dr. S. Moona, Department of Electronics and Instrumentation  
Focused on IoT architecture, sensors, microcontrollers, and automation.

**Outcome:** Students built a basic IoT prototype and understood smart tech concepts.



## SUMMER INTERNSHIP 2025

DEPARTMENT OF SCIENCE & HUMANITIES, ELECTRONICS AND INSTRUMENTATION AND CIVIL ENGINEERING

The Departments of Science and Humanities, Electronics and Instrumentation Engineering, and Civil Engineering organized a Summer Internship Training Program from April 22 to April 26, 2025. Designed for students of Classes X, XI, and XII, the program offered a valuable opportunity to gain practical experience and hands-on exposure to cutting-edge technologies. Through a combination of expert-led lectures, interactive workshops, and project-based sessions, the internship promoted critical thinking, technical proficiency, and collaborative learning.

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#### Day 3 - IoT & Industry 4.0 (Connecting the Future)

**Speaker:** Dr. S. Moona, Department of Electronics and Instrumentation  
Focused on IoT architecture, sensors, microcontrollers, and automation.

**Outcome:** Students built a basic IoT prototype and understood smart tech concepts.



## SUMMER INTERNSHIP 2025

DEPARTMENT OF SCIENCE & HUMANITIES, ELECTRONICS AND  
INSTRUMENTATION AND CIVIL ENGINEERING

### Day 4 - Web & Game Development

#### Session I: Web Wonders

Speaker: Mr. D. Sankaran, Department of Electronics and Instrumentation  
Covered HTML, CSS, JavaScript basics, hosting, responsive design, and SEO.

**Outcome:** Students created and hosted simple, responsive websites.

#### Session II: Game Development

Speaker: Dr. Rajkumar, Department of Computer Science and Engineering  
Covered game engines, storyboarding, and interactive elements.

**Outcome:** Encouraged creativity and digital storytelling through game creation.

### Day 5 - Robotics & Project Presentations

#### Session I: Robotics

Speakers: Mr. Arun Kumar and Ms. Iyerin, Retech Limited  
Explored robotics systems and hands-on kit-based activities.

**Outcome:** Introduced fundamentals of automation and robotic control.

#### Session II: Project Presentations

Students showcased mini-projects developed during the week.

**Outcome:** Provided a platform for peer learning, feedback, and presentation skill

To ensure a seamless and enriching experience for all participants:

**Food and Transportation:** Complimentary meals and transportation were arranged across the city.

**Certification:** All students who successfully completed the five-day program were awarded certificates, strengthening their academic and co-curricular profiles.

The Summer Internship Training Program 2025 successfully created a vibrant environment for young learners to explore, engage, and excel.



## SCHOOLS PARTICIPATED

S.NO	SCHOOL NAME	COUNT
1	ADW HIGHER SECONDARY SCHOOL	1
2	ADVIN INTERNATIONAL PUBLIC SCHOOL PADAPPAL	1
3	ALVIN MEMORIAL PUBLIC SCHOOL	1
4	ANITA MATRICULATION HIGHER SECONDARY SCHOOL	1
5	ANM MATRICULATION HIGHER SECONDARY SCHOOL	1
6	ANNA VIOLET MATRICULATION HIGHER SECONDARY SCHOOL	1
7	ANAN MEMORIAL SENIOR SECONDARY SCHOOL	1
8	ATHENA GLOBAL SCHOOL	1
9	BHARATH VIDYALAYA SENIOR SECONDARY SCHOOL	1
10	BHARATH SENIOR SECONDARY SCHOOL	1
11	BHARATH VIDYALAYA SENIOR SECONDARY SCHOOL	1
12	BILAKONG HIGH ISLAM ESSAM	1
13	BOWE PUBLIC SCHOOL	10
14	CHETTINAD VIDYATHRAM	1
15	CHRIST THE KING MATRIC HIGHER SCHOOL, EAST TAMBARAM	1
16	D. A. V, ADAMBARAM	1
17	DAY BOYS GOPALAPURAM	1
18	DAY SCHOOL, VELACHERY	1
19	DEV SAMA/ MODERN SCHOOL	1
20	EXTIMA MATRIC HIGHER SCHOOL	1
21	FUTURE GLOBAL SCHOOL	1
22	IBRAHIM JEDIG MATRICULATION HIGHER SCHOOL, KALPAKKAM	10
23	JAGANNATH VIDYALAYA	1
24	JAIN PUBLIC SCHOOL	1
25	JEPPIAAR MATRIC HIGHER SCHOOL	1
26	KERCIYA VIDYALAYA	1
27	LITTLE FLOWERS MATRICULATION HIGHER SECONDARY SCHOOL	1



28	LITTLE OXFORD MATRICULATION HIGHER SECONDARY SCHOOL	1
29	LOVABLE SCHOOL	1
30	M. SREEDARSHI SCHOOL	2
31	MOTILAL TOWER SAMATHANADRAMA HE SEC SCHOOL	1
32	MCC CAMPUS MATRIC HR SEC SCHOOL	10
33	N.L.N MEMORIAL SENIOR SECONDARY SCHOOL	2
34	NELLAI NADAR MATRICULATION HIGHER SECONDARY SCHOOL	1
35	NEW PRINCE MATRICULATION HIGHER SECONDARY SCHOOL	3
36	PROFESSOR VELSCHERY	1
37	PS METRIC SCHOOL	2
38	PSSE SCHOOL	2
39	SRINANI VIDYALAYA	1
40	SREERDHA CHILDERS ACADEMY FACUL	3
41	SRI NATESAN VIDYALAYA	4
42	SRI SANKARA VIDYAKSHANAM MATRIC HR SEC SCHOOL	1
43	SRI SRI SARADA VIDYALAYA MODEL HIGHER SECONDARY SCHOOL	1
44	SRI VIMALA VIDYALAYA SENIOR SECONDARY SCHOOL	2
45	SRI MATHI SUNDARAVALLI MEMORIAL SCHOOL	2
46	ST. JOSEPH'S MATRIC HSC SCHOOL - MEDAVANAM	3
47	ST ANNE'S MATRIC HIGHER SECONDARY SCHOOL	1
48	ST. JOHN'S MATRIC HR SEC SCHOOL	1
49	ST PULKE MAT HR SEC SCHOOL	1
50	TILAK VIDYASHEEM	21
51	T.S.T RAJAN GIRLS MATRIC HR SEC SCHOOL	4
52	VELAMMAL VIDYAKSHAM	7
53	VYASA VIDYALAYA	1
54	VIGNA MATRICULATION HIGHER SECONDARY SCHOOL	1
55	VIGNA MATRICULATION HIGHER SECONDARY SCHOOL	1
	<b>TOTAL</b>	<b>210</b>



## GLIMPSES OF SUMMER INTERNSHIP 2025



## GLIMPSES OF SUMMER INTERNSHIP 2025



## PROJECTFEST-25

The Department of Science and Humanities successfully organized Projectfest 2025 on 30th April 2025 at the Indoor Auditorium of St. Joseph's College of Engineering. This project competition and exhibition was designed exclusively for first-year students, providing them a platform to showcase their innovative ideas and practical solutions addressing real-world challenges.

The event witnessed enthusiastic participation, with numerous projects aligned with the United Nations Sustainable Development Goals (SDGs). Esteemed industry expert Mr. Albin Vizu, Technical Head at Valeo, graced the occasion as the chief guest and evaluated the student projects. His insights and encouragement greatly inspired the young innovators.

The best five projects were each awarded a cash prize of ₹10,000, along with surprise prizes, recognizing creativity, feasibility, and alignment with sustainable development principles.

The event promoted awareness and application of the 17 Sustainable Development Goals, which are as follows:

1. No Poverty
2. Zero Hunger
3. Good Health and Well-being
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry, Innovation, and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace, Justice, and Strong Institutions
17. Partnerships for the Goals

The event was a grand success and fostered a sense of responsibility and innovation among the budding engineers.



## PROJECTFEST 25

Project Competition for 1 year Students

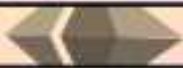
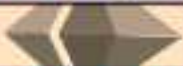
30.04.2025

Projectfest 2025

WINNERS LIST

S. NO	TITLE OF THE PROJECT	TEAM MEMBERS	BRANCH	PRIZE AMOUNT
1	CLIMATE	1 SARIN DIVYA PALLAV 2 KUNJUMBEET	IT	50000
2	CELLULOSE	1 VIKRANT 2 HARSHITHA 3 BHAVITHA DEEJANWEE 4 TITHI M X 5 NIBHAG	AME	50000
3	CRONOMETRIC CANCER THERAPY VIRAL GENE LEADING	1 PRANAV K 2 PRADYUMN K 3 BITHANAV	IT	50000
4	NEURITE	1 VISHALANURHAN S 2 SHYBA SHIJA 3 RITHIKA S 4 VISHAL DEVI J P 5 VISHVANATHAN	ICE	50000
5	SMARTPHONE ATTENTION	1 ABHIR JAYD 2 ANJANTHROVISHAL 3 ALAN SARIN K 4 ANANTH 5 PRAKASH KANESTHAN E	ITB	50000
6	SUSTAINABLE PROJECTS	1 SHREYAS S, 2 NAGRETHA A, 3 ANVITHA RITHIKA M, 4 NARVIN M, 5 VINEETHA SHYBA	ME	50000
7	QR-CODE BASED ATTENDANCE TRACKER	1 ABHIR ANJANTH 2 ANVITHA ANVITHA A 3 ANVITHA ANVITHA	ITB	50000

## PROJECTFEST-25



## ALUMNTALK

The Department of Science organized an Alumni Talk titled 'Career for Engineers in the Indian Army' on 17th April 2023 at the Library AV Hall. The session was delivered by Lt. Col. Divakar D, an esteemed IIT Bombay alumnus (Batch: 2006-2010) and NSG Commando in the Indian Army. The event was specifically conducted for students aspiring to join Civil and Defence Services.



The talk enhanced awareness among students about career paths beyond conventional corporate roles and instilled a sense of discipline, patriotism, and service. It also encouraged aspiring candidates to start early preparation and consider the armed forces as a prestigious and fulfilling career option.

Overall, the event successfully bridged the gap between academic learning and real-world defence career opportunities, leaving a lasting impression on the attendees.

## ALUMINTALK

The Department of Science organized an Alumni Talk titled "From Classroom to Boardrooms: Project Management in Real Life" on 17th April 2025 at the Library AV Hall. The session was delivered by Mr. V. Gopikanna, a distinguished EEE alumnus (Batch: 2009-2013) and Program Manager at Reliance A&O, Chennai.



The event was exclusively conducted for first-year EEE students, providing them with valuable insights into real-world project management and corporate experiences.



## STAFF ACHIEVEMENTS



### PUBLICATIONS

**Dr. J. Sharmila**, Assistant Professor in the Department of Science, has published a research article entitled "Characterization of Nano-Clay Reinforced Polymer Composites: Enhancing Performance for Extreme Applications" in the *Journal of Polymer & Composites* (ISSN: 2321-8525), Volume 13, Issue 2, pages 105-114. The article is available online at DOI: 10.37591/JoPC.



**Dr. S. Ramis**, Assistant Professor in the Department of Science, has published an Indian research patent titled "Hybrid Nanostructured Surface for Solar-Driven Chemical Processes," released on April 16, 2025.



Chapter 17  
Agile Marketing  
Through Quantum  
Machine Learning  
(QML) Techniques  
for Transforming  
Retail Operations  
and E-Commerce

**Dr. S. Manikundan**, Assistant Professor in the Department of Science, contributed as a co-author to Chapter 17 titled "Agile Marketing Through Quantum Machine Learning (QML) Techniques for Transforming Retail Operations and E-Commerce." The chapter was published by IGI Global Scientific Publishing.

**Dr. A. Anulmochi**, Assistant Professor in the Department of Science, contributed as a co-author to Chapter 14 titled "Digital Technologies for Effective Job Search and Decision-Making." The chapter was published by IGI Global Scientific Publishing.

Chapter 14  
Digital Technologies  
for Effective Job Search  
and Decision-Making

## STAFF ACHIEVEMENTS



## PUBLICATIONS



**Dr. C. Chandrasekhar, Assistant Professor in the Department of Science, contributed as a co-author to Chapter 10 titled "Optimizing Efficiency and Delivering Quality for Lean and Extreme Programming (XP) in Agile Business Methodologies." The chapter was published by IGI Global Scientific Publishing.**

**Dr. V. Swarnalatha, Assistant Professor in the Department of Science, contributed as a co-author to Chapter 6 titled "Leveraging Sustainable Practices for Entrepreneurial Growth in Supply Chain Management." The chapter was published by IGI Global Scientific Publishing.**



**Dr. A. Mahalakshmi, Assistant Professor in the Department of Science, contributed as a co-author to Chapter 1 titled "Driving Sustainable Business Growth Through Digital Transformation Initiatives" The chapter was published by IGI Global Scientific Publishing**

**Dr. G. Soalkumar, Assistant Professor in the Department of Science, contributed as a co-author to Chapter 8 titled "Human Resource Development Strategies for Emerging Startups: Empowering Growth." The chapter was published by IGI Global Scientific Publishing.**





## STAFF ACHIEVEMENTS

### CERTIFICATIONS



Dr. A. Uma Devi, Assistant Professor in the Department of Science, has successfully completed the NPTEL Online Certification course titled "Waste to Energy Conversion" offered by the Indian Institute of Technology Roorkee, during the January-March 2025 session. She was awarded an Elite with Gold certificate, securing an impressive consolidated score of 90%.



Dr. P. Saravanan, Associate Professor and Head of the Department of Science, participated in the International Conference on Innovations in Materials Science, Technology, Engineering, and Management for Sustainable Development (IMSTEM - 2025), held on the 30th and 31st of March 2025. He delivered three oral presentations on his research papers titled:

1. Jackfruit: Nutritional Composition, Pharmacological Implications, Value-Added Products, and Omics-Based Investigations,
2. Gamification and Game Mechanisms Across Domains: Enhancing Engagement, Learning, and Digital Transformation, and
3. Understanding Youth Intentions for E-Waste Disposal in Tiruvallur: Key Influencing Factors and Behavioral Impact.

The conference was jointly organized by St. Joseph's College of Engineering and RSP Research Hub, Coimbatore.



## STAFF ACHIEVEMENTS



## CERTIFICATIONS

Dr. P. Saravanan, Associate Professor and Head of the Department of Science, participated in the 2nd International Beyşehir Gastronomy Culture and Tourism Congress held on April 25-26, 2025 at Beyşehir Ali Akkanat Vocational School, Selçuk University, Konya, Türkiye. He presented a research paper titled "Different Types of Nanomaterials Commonly Used in Food Packaging, Film Formation Techniques, and Recent Advances in Their Applications."



Dr. P. Saravanan, Associate Professor and Head of the Department of Science, participated in and presented a research paper titled "Evaluation of Consumer Awareness and Perception of Nutritional Benefits of Fortified Foods: A Study on Knowledge, Consumption, and Barriers" at the International Conference on "Innovation for Sustainability: New Technologies and Business Models (ICIS-2025)", held on 3rd and 4th February 2025 in Bengaluru.



## STAFF ACHIEVEMENTS

## CERTIFICATIONS



Dr. S. Suresh, Associate Professor in the Department of Science, successfully completed the transcription editing task using the Machine Learning Tool - Chitralakha for the NPTEL course "Engineering Mathematics - I (10003121)" offered by IIT Kharagpur. He contributed a total of 4.5 edited hours.



Dr. S. M. Prakash, Assistant Professor in the Department of Science, successfully completed the transcription editing task using the Machine Learning Tool - Chitralakha for the NPTEL course "Ultrafast Laser Spectroscopy (10410122)" offered by IIT Bombay. He contributed a total of 6.25 hours of edited content.

Dr. N. R. Rajagopalan, Associate Professor in the Department of Science, successfully completed a transcription editing task using the Machine Learning Tool - Chitralakha for the NPTEL course "Ultrafast Laser Spectroscopy" (Course ID: 10410122) offered by IIT Madras. He contributed a total of 1.75 hours of edited content to the course.



## STAFF ACHIEVEMENTS



## CERTIFICATIONS

Dr. A. Uma Devi, Assistant Professor in the Department of Science, participated in the International Conference on Innovations in Materials Science, Technology, Engineering, and Management for Sustainable Development (IMSTEM - 2025), held on the 30th and 31st of March 2025. She delivered two oral presentations on his research papers titled "AI in Healthcare" and "Comparative Analysis of SPVdF-co-HFP/PES and SPVdF-co-HFP/SPES Blend Membranes" The conference was jointly organized by St. Joseph's College of Engineering and RSP Research Hub, Coimbatore

Ms. Savitha, Assistant Professor in the Department of Science, participated in the International Conference on Innovations in Materials Science, Technology, Engineering, and Management for Sustainable Development (IMSTEM - 2025), held on the 30th and 31st of March 2025. She delivered an oral presentation on his research paper titled "AI-Driven Water Management System for Small-Scale Farmers" The conference was jointly organized by St. Joseph's College of Engineering and RSP Research Hub, Coimbatore

Dr. K. Jayamoorthy, Associate Professor in the Department of Science, participated in the International Conference on Innovations in Materials Science, Technology, Engineering, and Management for Sustainable Development (IMSTEM - 2025), held on the 30th and 31st of March 2025. He delivered an oral presentation on his research paper titled "Imidazole in Medicine: A Review of Its Pharmacological and Therapeutic Applications" The conference was jointly organized by St. Joseph's College of Engineering and RSP Research Hub, Coimbatore

## STAFF ACHIEVEMENTS

## CERTIFICATIONS



Dr. A. Uma Devi, Assistant Professor in the Department of Science, served as a session chair at the National Conference on Advances in Engineering Materials (NCAEM 2025). The conference was organized by the Department of Science, St. Joseph's College of Engineering, OWE, Chennai, and was partially sponsored by the Tamil Nadu State Council for Science and Technology. It was held on the 21st and 22nd of March 2025.

Dr. S. Rama, Assistant Professor in the Department of Science, participated in the International Conference on Innovations in Materials Science, Technology, Engineering, and Management for Sustainable Development (IMSTEM - 2025), held on the 30th and 31st of March 2025. She delivered four oral presentations on her research works titled:

1. Symptom-Based Disease Diagnosis and Remedy Suggestion System Using ML and NLP,
2. AgriSense: A Smart Agriculture Solution for Sustainable Farming,
3. Quantum AI for Fraud Detection in Banking, and
4. Microplastics in Marine Ecosystem.

The conference was jointly organized by St. Joseph's College of Engineering and RSP Research Hub, Coimbatore.

Dr. N. Punitha, Professor in the Department of Science, participated in the International Conference on Innovations in Materials Science, Technology, Engineering, and Management for Sustainable Development (IMSTEM - 2025), held on the 30th and 31st of March 2025. He delivered an oral presentation on his research paper titled 'Mind Meets Machine: Exploring the Possibilities and Challenges of BCI's'. The conference was jointly organized by St. Joseph's College of Engineering and RSP Research Hub, Coimbatore.

## STAFF ACHIEVEMENTS

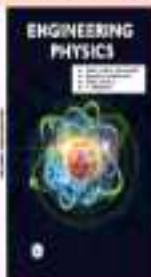
## CERTIFICATIONS



N R Rajagopalan, Associate Professor in the Department of Science, has successfully completed translation edit tasks for two NPTEL courses using machine learning tools. He contributed 6 edited hours using TransLingua for the Tamil translation of "Optical Spectroscopy and Microscopy: Fundamentals of Optical Measurements and Instrumentation (102100002)," with a certificate issued on April 5, 2025. Additionally, he completed 5.25 edited hours using Chitralekha for the Tamil translation of "Transition Metal Organometallics in Catalysis and Biology (104101123)," with certification from NPTEL, IIT Madras.



Dr. P. Krishnan, Associate Professor in the Department of Science, authored a book titled Engineering Physics (ISBN: 978-93-6674-966-2), published by Scientific International Publishing House in April.





## STAFF ACHIEVEMENTS

### CERTIFICATIONS



Dr. A. Mahalakshmi, Assistant Professor in the Department of Science, took part in the seminar titled "AI Meets Quantum: The Future of Communication and Computing Technologies", conducted on April 14, 2025, as part of the World Quantum Day celebrations. The event was led by Dr. Manish K. Gupta and organized by the Ramrao Adik Institute of Technology (RAIT), D Y Patil University, Navi Mumbai, in association with the RAIT ACM SIGAI Chapter.



Dr. Prakash S M, Assistant Professor in the Department of Science, took part in a Five-Day International Online Faculty Development Programme (FDP) on "Nanotechnology in Environmental Sustainability for Tomorrow (NEST'25)". The event was organized by the Department of Chemistry at Velammal College of Engineering and Technology (Autonomous), Madurai, and was conducted from April 1 to April 5, 2025.



## STAFF ACHIEVEMENTS

## CERTIFICATIONS



Dr. N. Punitha, Professor in the Department of Science, has successfully completed the NPTEL Online Certification course on "Waste to Energy Conversion" offered by the Indian Institute of Technology Roorkee from January to March 2025. She was awarded an Elite certificate, achieving a consolidated score of 68%.



PROFESSIONAL BODIES

The faculty members Dr. S. Kiruba, Dr. P. Krishnan, Dr. N. R. Rajagopalan, Dr. S. M. Prakash, Dr. J. Sharmila, Dr. V. Swarnalatha, Dr. N. Punitha, Dr. S. Rama, Ms. S. Savitha, Dr. G. Sasikumar, Dr. S.M. Prakash, Dr. G. Santhil Murugan, Dr. A. Mahalakshmi, Dr. S. Manikandan, Dr. B.Subash and Dr. Chandrasekhar C from the Department of Science were awarded Life Membership in the Indian Society for Radiation Physics (ISRP) in April 2025. This prestigious recognition highlights their active participation and commitment to the advancement of radiation physics.





# STAFF ACHIEVEMENTS



## CERTIFICATIONS





# STAFF ACHIEVEMENTS

## CERTIFICATIONS





## STAFF ACHIEVEMENTS CERTIFICATIONS



The faculty members Dr. S. Kiruba, Dr. V. Swarnalatha, Dr. N. R. Rajogopalan, Dr. S. Rama, Dr. A. Dhivya, Dr. J. Sharmila, Dr. K. Dhanraj, Dr. B. Subhash, Dr. A. Mahalakshmi, Dr. A. Uma Devi, Dr. G. Sasikumar and Dr. S. M. Prakash from the Department of Science were awarded Life Membership in the International Association of Engineers (IAENG) in April 2025. This esteemed recognition underscores their commitment to fostering collaboration among engineers and advancing the practical application of engineering knowledge from academia to industry.



## STUDENT ACHIEVEMENTS

## CERTIFICATIONS





## STAFF ACHIEVEMENTS

### CERTIFICATIONS



The faculty members Dr. P. Krishnan, Dr. G. Sasikumar, Dr. A. Dhivya, Dr. K. Dhanaraj, and Dr. Chandrasatheesh C from the Department of Science were awarded Life Membership in The Indian Society for Technical Education (ISTE) in March 2025, following the approval of the Executive Council. This honour highlights their commitment to advancing the quality and standards of technical education.





## STAFF ACHIEVEMENTS



### CERTIFICATIONS

The faculty members from the Department of Science, including Dr. S. Kiruba, Dr. S. Suresh, Dr. N. R. Rajagopalan, Dr. J. Sharmila, Dr. P. Krishnan, Dr. A. Mahalakshmi, Dr. Prakash S. M, Dr. S. Manikandan, Dr. A. Arumachi, Dr. A. Uma Devi, Ms. S. Savitha, Dr. G. Sasikumar, Dr. K. Dhanraj, Dr. G. Senthil Murugan, Dr. B. Subash, Dr. N. Punitha, Dr. G. Sasikumar, Dr. V. Swarnalatha, Mr. S. Koleel Mohamed Ibrahim, and Dr. C. Chandrasathosh, have been granted Life Membership in the Indian Association for Crystal Growth (IACG).





# STAFF ACHIEVEMENTS

## CERTIFICATIONS



NEW ACCREDITED FOR ISSA, BIRAC JICA

**Certification**

It is a pleasure to announce that the Department of Science has been accredited for the following projects:

Department:

Dr. Arjun  
Agarwal  
2020

NEW ACCREDITED UNDER NEW SCHEME

**Certification**

It is a pleasure to announce that the Department of Science has been accredited for the following projects:

Department:

Dr. Arjun  
Agarwal  
2020

NEW ACCREDITED FOR CENTRAL BOARD JICA

**Certification**

It is a pleasure to announce that the Department of Science has been accredited for the following projects:

Department:

Dr. Arjun  
Agarwal  
2020

NEW ACCREDITED FOR CENTRAL BOARD JICA

**Certification**

It is a pleasure to announce that the Department of Science has been accredited for the following projects:

Department:

Dr. Arjun  
Agarwal  
2020

NEW ACCREDITED FOR CENTRAL BOARD JICA

**Certification**

It is a pleasure to announce that the Department of Science has been accredited for the following projects:

Department:

Dr. Arjun  
Agarwal  
2020

NEW ACCREDITED FOR CENTRAL BOARD JICA

**Certification**

It is a pleasure to announce that the Department of Science has been accredited for the following projects:

Department:

Dr. Arjun  
Agarwal  
2020

NEW ACCREDITED FOR OVERSEAS JICA

**Certification**

It is a pleasure to announce that the Department of Science has been accredited for the following projects:

Department:

Dr. Arjun  
Agarwal  
2020

NEW ACCREDITED FOR OVERSEAS JICA

**Certification**

It is a pleasure to announce that the Department of Science has been accredited for the following projects:

Department:

Dr. Arjun  
Agarwal  
2020



# STAFF ACHIEVEMENTS

## CERTIFICATIONS



## STAFF ACHIEVEMENTS



## INDUSTRIAL TRAINING CERTIFICATIONS

The faculty members Dr. V. Swarnaalatha, Dr. J. Sharmila, Dr. N. Punitha, Dr. S. Rama, Dr. S. Kiruba, Dr. A. Arulmozhi, Dr. A. Mahalakshmi, Dr. A. Dhivya, Dr. A. Uma Devi, Dr. K. Dhonoraj, Dr. C. Chandrasatheesh, Dr. G. Sasikumar, and Dr. S. Savitha from the Department of Science successfully participated in the Professional Development Programme on "Solar, Wind and Bio Energy Applications" organized by the National Institute of Technical Teachers Training and Research (NITTTR), Chennai, held from 17th to 21st March 2025 through online mode. The programme comprised 20 notional learning hours.



## STAFF ACHIEVEMENTS

## INDUSTRIAL TRAINING CERTIFICATIONS



## STAFF ACHIEVEMENTS

### INDUSTRIAL TRAINING CERTIFICATIONS



The faculty members Dr. Dr. S. Manikandan, and Dr. Senthil Murugan G. from the Department of Science successfully participated in the Professional Development Programme on "Core and Interdisciplinary Research Methodology and IPR" organized by the National Institute of Technical Teachers Training and Research (NITTTR), Chennai, held from 24th to 28th March 2025 through online mode. The programme comprised 20 national learning hours.



The faculty members Dr. P. Saravanan, Dr. N. R. Rajagopalan, Dr. B. Subash, Dr. S. M. Prakash and Mr. Kalsof Mohamed Ibrahim S from the Department of Science successfully participated in the Professional Development Programme on "Industry 4.0 - Concepts & Applications" organized by the National Institute of Technical Teachers Training and Research (NITTTR), Chennai, held from 07th to 11th April 2025 through online mode. The programme comprised 20 national learning hours.



# STATE GOVERNMENTS INDUSTRIAL TRAINING CERTIFICATIONS



## STAFF ACHIEVEMENTS



## NEP 2020 Orientation &amp; Sensitization

## Programme certification

Faculty members Dr. S. M. Prakash, Dr. V. Swamalatha, Dr. N. Punitha, Dr. A. Arulmozhi, Dr. E. Subash, Dr. K. Sarthoshkumar and Dr. A. Mahalakshmi from the Department of Science took part in the NEP 2020 Orientation & Sensitization Programme, held from March 17 to 27, 2025. The programme was conducted under the Malaviya Mission Teacher Training Programme (MM-TTP), an initiative of the University Grants Commission (UGC), and was organized by the Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kanchiapuram, Chennai.



## STAFF ACHIEVEMENTS



# NEP 2020 Orientation & Sensitization Programme certification



## STAFF ACHIEVEMENTS



## Journal Reviewing certifications

S.No	Name of the staff	Journal reviewed	Month
1	Dr. B. Subash	Journal of Nanoparticle Research	APRIL
2	Dr. P. Krishnan	Materials Chemistry and Physics	APRIL
3	Dr. S. Suresh	Current Organic Chemistry	APRIL

