

ZEPHYR 24 Newsletter



FOUNDER CHAIRMAN

PRINCIPAL'S MESSAGE



A perfect combination of knowledge and skill has always helped in evolving ourselves to be the change, we once dreamt of. I am happy to learn that as a testament to this ideology the Department of Electronics and Instrumentation Engineering of our College has decided to bring ZEPHYR'24. I appreciate the efforts taken by both the faculty and the students of the department in stretching out a helping hand to quench the thirst for knowledge that sustains in every reader's mind. I wish them all the best for all their future endeavors.

HOD'S MESSAGE



The main objective of this fest is to bring Engineering students together from different institutions across the country to share the innovative ideas and technical works with our students in our prestigious institution. Events, such as this, will not happen without active participation of the students. I take this opportunity to congratulate all the staff and student members to make this fest a grand success. I hope ZEPHYR'24 would cherish the success stories of the successful students who had come with flying colors and this would inspire and guide the upcoming students.

Dr. K. Renganathan

POSTER





SRI SAIRAM ENGINEERING COLLEGE
SAI LEO NAGAR, WEST TAMBARAM, CHENNAI - 600044

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING
ASSOCIATION WITH ISOI,IEI,ISTE,IEEE

Proudly presents
6TH NATIONAL LEVEL TECHFEST
ZEPHYR
9TH OCTOBER
2024
Mail: zephyr24.sympto@gmail.com

EVENTS:

- LINK SYNC
- TECHNO TANGLES
- LEARN RPI
- WHIRLWIND OF CIRCUITS
- ALCHEMIST ARENA
- CODE FUSION
- EVOLUMIN
- RHYTHM REBOOT
- TECH CLASH
- BID BLITZ

REGISTER NOW!
For Queries
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+91 90254 95583

KARTHICK KUMAR S
VIJAYALAKSHMI R
SRIHARIPRYAN P
SARANKUMAR S
SWATHI K
Student Co-ordinators

M.NALINI
Prof
N.NITHYA RANI
Asst Prof
Faculty Co-ordinators

Dr.K.RENGANATHAN
HOD / EIE

Dr.J.RAJA
Principal / SEC

Dr.SAI PRAKASH
LEO MUTHU
Chairman & CEO
Sairam Institutions

**SRI SAIRAM ENGINEERING COLLEGE DEPARTMENT OF ELECTRONICS
AND INSTRUMENTATION ENGINEERING**

**6TH NATIONAL LEVEL ROBOFEST ZEPHYR'24
9TH OCTOBER 2024 COMMITTEE
AND EVENT LIST**

CONVENOR : Dr K RENGANATHAN, HOD/EIE

CO-ORDINATORS : Dr.M.Nalini, Professor/EIE Ms.N.Nithya Rani, AP/EIE

S.NO	COMMITTEE AND EVENTS	STAFF-INCHARGE	CO-OORDINATORS (IV-YEAR)
1.	Reception & Rangoli	Ms.T.Tamilselvi	Dharanidevi S
2.	Registration & Accomodation	Mr.K.Madhana Mohan Mr.R.Premkumar	Sandhya S Shiwani S Pavithraa J Harini R
3.	Models(Entrance Gate), Catering & Hospitality	Dr.K.Anbumani Ms.S.Premalatha	Karthik Kumar S Vijayalakshmi R Logaadhashini G Kirthika V Jayasree M Sandeep Aditya K Delhi Ganesh I
4.	Designing & Distribution of Website, Poster, Banner and Invitation Newsletter, Souvenir	Dr.T.Sathieskumar Mr.M.Subramanian	Sriharipriyan P Bharath Kumar S Deepika C Vidhula R Mahalakshmi S
5.	Master Of Ceremony, Memento	Dr.S.Subha	Azhagu Meenal P Swathi K

6.	Certificate Designing, Printing, Distribution of Prizes and Certificate	Ms.T.Tamilselvi	Sriharipriyan P Swathi K
7.	Link Sync	Dr.T.Sathieskumar	Nandhini S Swathi K Gayathri A Jyolsna M
8.	Evolumin	Ms.R.Gayathiri	Kavina R Varsha J Krithika N Kanishka K
9.	Techno Tangles	Mr.R.Premkumar	Ahisri M Hari Rathin M Gayathirivarshini M Anand A K
10.	Whirlwind of Circuits	Mr.B.Rajapandian	Abdul Azeez P Bharath Kumar S
11.	Learn RPi	Ms.K.Thirupura Sundari Dr.S.Durgadevi	Sandeep AdithyaK Delhi Ganesh I Jai Akash R B Suveka S
12.	Code Fusion	Ms.K.Srividya	Hari Haran R Kirubakaran S Shivakrishna V
13.	Rhythm Reboot	Mr.M.Subramanian	Sharmila M RupashriK R Deepika C Jayasathya J
14.	Bid Blitz	Dr.B.Puviyarasi	Pon Prakash K Vicganth AS Kathir Kumar S Rehant V

15.	Tech Clash	Ms.S.Premalatha	Jai Kaarthik R Mithrran S Matheswaran P Vikash KV Sivaramaguru M Eniyan A Abdul Azeez P Dhanush B Sathyanarayan C Sakthi Saran S
16.	Alchemist Arena	Dr.T.Sathieskumar	Eniyan A Dhanush B Varun S Matheswaran P
17.	Sponsorship, Finance and Purchase, Press and Media (Photo & Video)	Dr.K.Renganathan HOD/EIE Dr.M.Nalini Ms.N.Nithya Rani	Karthick Kumar S Swathi K Vijayalakshmi R Sriharipriyan P Saran Kumar S
18.	Coffee with Celebrity	Dr.S.Subha	Kavya K R Ahisri M
19.	Discipline Committee	All Staff	-

EVENTS

ALCHEMIST ARENA

Welcome to Alchemist Arena, where the magic of anime meets the science of alchemy! Inspired by the legendary world of Fullmetal Alchemist, this event is a thrilling test of strategy, creativity, and anime fandom. Dive into a realm where participants become modern-day alchemists, facing challenges that blend knowledge from the anime universe with real-world skills. In this arena, teams will compete in various anime-themed activities, such as trivia quizzes and game-based challenges that test your anime knowledge and teamwork. The event is designed to be fun and engaging, giving students a chance to showcase their love for anime while collaborating to win! Whether you're an anime expert or just someone who loves the alchemical world of anime, Alchemist Arena is the perfect stage to showcase your fandom in all its glory. Prepare to craft your way through thrilling quests, summon your inner alchemist, and unlock the secrets of anime magic.

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ZEPHYR

ALCHEMIST
Arena

OCT 09

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FOR REGISTRATION

FOR QUERIES
+91 93602 59598
+91 72003 27164

STAFF CO-ORDINATOR
Dr.T.Sathish Kumar
Assoc.Prof.-EIE

STUDENT CO-ORDINATOR
Matheshwaran P
Dhanush B
Eniyan A
Varun S

BLID BLITZ

An exciting cricket-themed competition where teams of three or four students from the same institution can showcase their knowledge and skills! The event kicks off with an online or offline technical quiz focused on IPL stats, with one team member participating. Those who excel will advance to the second round, held on the college campus during the symposium. Here, selected participants will engage in a dynamic cricket auction, strategically assembling their dream teams based on player ratings and performance metrics. It's not just about knowledge; strategy and teamwork are crucial as teams compete for the highest overall score. Winners will be determined by the overall team score.

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BID BLITZ

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WHIRLWIND OF CIRCUITS

Welcome to Whirlwind of Circuits, where the current flows fast, and the challenges come quicker! This event is designed for electronics and circuit enthusiasts, offering a variety of tasks that range from quizzes to hands-on circuit building, debugging challenges, and an exciting scavenger hunt. In this fast-paced competition, participants will be required to apply their knowledge to solve intricate circuit-related problems, diagnose faults, and optimize designs. Each round pushes the limits of your technical expertise, demanding precision, speed, and critical thinking. As you advance, you'll unlock tougher tasks that will further challenge your mastery of electronics. Whirlwind of Circuits provides an exciting platform to sharpen your problem-solving skills, build practical experience, and connect with fellow circuit fanatics.



TECH CLASH

"Welcome to TECH CLASH, where only the sharpest shooters survive! In this exhilarating Free Fire tournament, you and your team will face off against other fierce squads in an epic battle royale. Do you have the strategy, speed, and skills to be the last team standing? With exciting prizes on the line and a chance to prove your dominance, TECH CLASH promises an action packed event for gaming enthusiasts.

CYPHER'S VANGUARD:

Cypher's Vanguard is a Valorant competition at ZEPHYR'24. It's a 5v5 tournament where college teams compete for prizes and bragging rights. The event tests players' skills in teamwork, strategy, and gunplay. Only the smartest tacticians will win.

BGMI

TECH CLASH is a BGMI tournament for top teams. It's a chance to showcase your gaming skills and win prizes. Register now and compete in thrilling battles.

FREE FIRE:

TECH CLASH is a Free Fire tournament where teams compete to be the last team standing. It's a battle royale with prizes and a chance to prove your gaming skills. Register now and let the games begin.



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TECH CLASH

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VALORANT FREE FIRE BATTLEGROUNDS MOBILE INDIA

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For Queries	Staff co-ordinator	Student co-ordinator
+91 95971 03062 +91 72003 27164	Ms. S. Premalatha Assoc.Prof.-EIE	Shakthi Saran S Jai Kaarthik R Mithran S Vikash KV

LINK SYNC

Welcome to Link-Sync, an immersive and fast-paced strategy game where players master the art of linking and syncing nodes across dynamic tech worlds. Each level presents a unique web of complex links and pathways, challenging you to think critically, act quickly, and establish the most efficient connections. As you progress, the puzzles grow more intense, pushing your strategic thinking and problem-solving skills to new heights. With every successful sync, you'll unlock new levels and challenges, competing to build the fastest, most efficient tech networks. Whether climbing the leaderboards or honing your critical thinking, ****Link-Sync*** offers endless fun, blending strategy, speed, and creativity. ***Connect, sync, and dominate the tech world!**



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Link SYNC



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FOR QUERIES	STAFF CO-ORDINATOR	STUDENT CO-ORDINATORS
+91 63812 91332 +91 95974 47325	Dr. T.Sathieskumar Assoc.Prof. - EIE	Nandhini S Gayathri A Jyolsna M

EVOLUMIN

Evolumin is an exciting platform designed for innovative minds to showcase their projects in IoT, embedded systems, and engineering. Participants can form teams of 2 to 4 members and engage in a two-round competition. In Round 1, teams submit a 250-300 word abstract via Google Form, detailing their project concepts. Successful candidates will be notified by email for Round 2, where they will present their ideas offline to industry experts. This event not only allows participants to test their skills and receive constructive feedback but also encourages collaboration and learning among peers. With a focus on pushing engineering boundaries, Evolumin promises a valuable experience that goes beyond competition. Join us and take the opportunity to lead the next wave of technological breakthroughs!

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EVOLUMIN

Innovate today, Engineer tomorrow

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FOR QUERIES	STAFF CO-ORDINATOR	STUDENT CO-ORDINATOR
+91 63812 91332 +91 90872 00540	Ms R Gayathiri Asst.Prof. - EIE	Kanishka K Krithika N Kavina R Varsha J

CODE FUSION

This is an individual coding competition that tests participants' skills in Arduino programming across three rounds. The first round is an online technical quiz focused on embedded systems and Arduino basics. Qualified participants move on to the second round, held on campus, where they will solve ArduinoIDE coding challenges, evaluated on time, efficiency, and creativity. In the final round, participants will code a solution for a simulated Arduino circuit, with the winners determined based on code efficiency, time management, and problem-solving approach. Strict rules apply, including no AI tool usage.

TECHNO TANGLES

Techno Tangles is a dynamic two-round event designed to challenge participants' creativity, teamwork, and technical expertise. In the first round, Adz-App, teams of three will prepare and perform a short enactment on a social or current affair topic, testing their coordination and quick thinking. Following this, in the second round, Debate, shortlisted teams will engage in one-on-one debates on technical and engineering topics, allowing them to showcase their technical knowledge and critical thinking skills. The event fosters teamwork and enhances participants' ability to think on their feet, with a strict adherence to time limits. Teams must perform within the allotted time and ensure all members actively participate throughout the event, which spans a total of 3 hours.

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TECHNO TANGLES

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TECHNICAL DEBATE

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@ZEPHYR_2K24_@SRISAIRAMEIE

FOR QUERIES
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STAFF CO-ORDINATOR
Mr.R.Premkumar
Assoc.Prof. - EIE

STUDENT CO-ORDINATOR
GAYATHIRIVARSHINI M
HARI RATHIN M
ANAND A K
AHISRI M

RHYTHM REBOOT

Step into a world of rhythm and melodies with our ultimate music-based event, where you can test your knowledge of iconic BGMs, connect beats, and solve melodic puzzles across various genres and eras. Perfect for music and cinema lovers, this event offers an engaging experience filled with live performances, allowing you to showcase your talents whether you sing, act, or simply share your passion for melodies. Gather a team of four and compete for exciting prizes while being part of a vibrant community. This event is not just about winning; it's a celebration of creativity that inspires others. Join us for a fun-filled day where music and memory collide in an unforgettable celebration of sound and cinema!

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RHYTHM REBOOT

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+91 63812 91332

STAFF CO-ORDINATOR
Mr.M.Subramanian
Asst.Prof. - EIE

STUDENT CO-ORDINATOR
Rupashri K R
Jayasathya J
Sharmila M
Deepika C

WORKSHOP

Dive into the world of innovation with Learn RPi, our hands-on Raspberry Pi workshop! Unleash your creativity as you explore the endless possibilities of this powerful little device. Whether you're a beginner or an experienced maker, this workshop will guide you through exciting projects and applications.

- ♦Master Linux: Navigate the fundamentals of this essential operating system.
- ♦Raspberry Pi Demystified: Get familiar with its hardware, pinout, and capabilities.
- ♦Build Real Projects: Program sensors and cameras to create innovative solutions.

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LEARN-RPI

Learn RPi
BUILDING TECH FROM SCRATCH

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FOR QUERIES	STAFF CO-ORDINATORS	STUDENT CO-ORDINATORS
+9189395 84929 +91 89392 29680	Dr. S. Durga Devi Assoc.Prof. - EIE Ms. K. Thirupura Sundari Assoc.Prof. - EIE	K Sandeep Adithya I Delhi Ganesh

DEPARTMENT ACTIVITIES

SPARKLE'24

- ♦“The Cultural Overall Trophy 2023” has been won by the Department of Electronics and Instrumentation Engineering, showcasing the exceptional talent, dedication, and teamwork of our students and faculty members.



- ♦This victory speaks volumes about our team's fervor, ingenuity, and solidarity. Every member's dedication has contributed to this magical moment.
- ♦Let's continue to celebrate diversity, nurture talent, and ignite inspiration!



ACADEMIC EXCELLENCE AWARD

- “The Academic Excellence Award 2023” has been awarded to the Department of Electronics and Instrumentation Engineering, highlighting the outstanding commitment to academic rigor and dedication demonstrated by our students and faculty.



- This prestigious honor was bestowed upon us during the enchanting “Sparkle 2024 Cultural Fiesta” on March 15, 2024. It's a testament to our unwavering dedication to excellence and our relentless pursuit of academic brilliance. Congratulations to our outstanding faculty, students, and staff for this remarkable achievement.



SOAR EMPOWERING WITH FUTURE



DEPARTMENT OF
ELECTRONICS AND INSTRUMENTATION
ENGINEERING

Organizes
**STUDENT ORIENTATION FOR
ACADEMIC READINESS
(SOAR)**

**For our Instrumentation Enthusiasts
(EIE) Students II & III Year**

27/06/2024 & 28/06/2024 EIE Classroom



Empowering EIE Students

- SOAR event recap: purpose, key activities, dates, and location.
- Key takeaways: academic readiness, study techniques, time management, stress reduction.
- Student testimonials: experiences, insights, impact on academic journey.
- Faculty and guest speakers: contributions, expertise, knowledge shared.
- Future plans: similar initiatives, benefits, academic excellence promotion.

ENTREPRENEURSHIP

AWARENESS

CAMP



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SEC202409DEI09

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

in association with
MoEs - Institutions Innovation Council (SEC -IIC)

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education & Higher Education)

Cordially invites you for the
3 DAYS ENTREPRENEURSHIP AWARENESS CAMP (EAC)

02.09.2024 MONDAY TO 04.09.2024 WEDNESDAY

SMART CLASSROOM - I

10:30 AM TO 12:30 PM

Dr.M.Nalini
Ms.R.Gayathiri
Coordinators

Dr.K.Renganathan
HOD / EIE

Dr.J.Raja
Principal / SEC

Dr.Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions



The Entrepreneurship Awareness Camp (EAC) 2024, held from September 2-4, was a transformative experience for aspiring entrepreneurs. With inspiring sessions led by mentors Sridevi Arunachalam, Nas Suresh Krishna, and Abarna Delphin Romalino, participants gained invaluable insights into innovation, tackling business challenges, and implementing sustainable practices. The event fostered a vibrant community atmosphere, encouraging networking and collaboration among attendees. Participants left empowered and equipped to confidently pursue their entrepreneurial ventures, ready to make a meaningful impact.

ACCELERATORS AND INCUBATION OPPORTUNITIES

RAISE EOMS SDG ACTION NIT GOALS Sairam

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In association with
Institution Innovation Council & ISTE Student chapter

Cordially Invite You for a
GUEST LECTURE ON
ACCELERATORS & INCUBATION OPPORTUNITIES FOR STUDENTS & FACULTIES
- EARLY STAGE ENTREPRENEUR

24.07.2024, Wednesday | 10:30 AM | E BLOCK CLASS ROOM - I

Resource Persons

Dr. K. PENGANATHAN
Professor & Head - Dept. of EIE
Innovation Ambassador

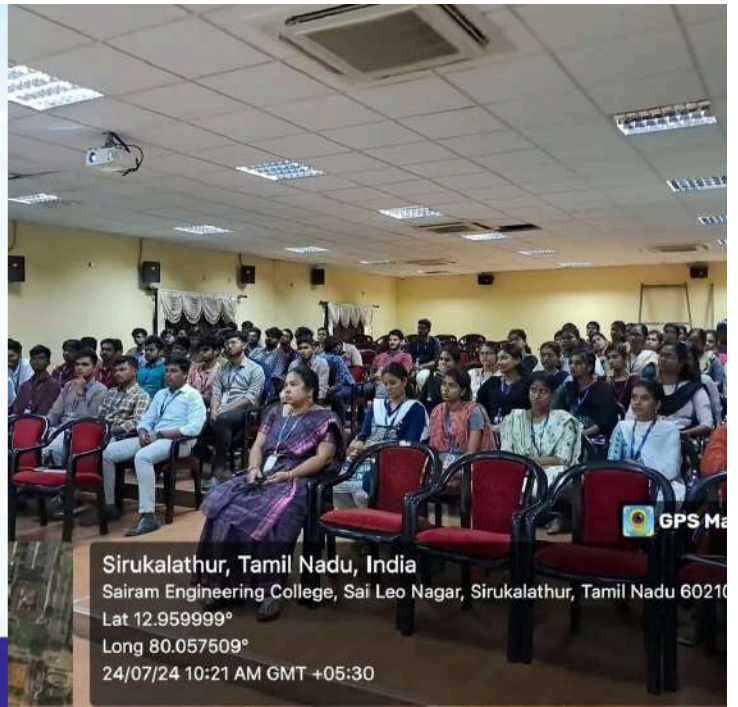
Dr. N. VASUDEVAN
Professor & MECH
Innovation Ambassador

Mr. K. SANDEEP ADITHYA
IV Year EIE,
M.D DataReef Technologies

Ms. K. Srividya
Assoc/Prof - EIE
IIC Co-ordinator

Dr. J. Raja
Principal

Dr. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions



GATE AWARENESS



- An seminar was conducted by Department of Electronics and Instrumentation Engineering for give the insights and importance of GATE examintaion to our 3rd year and Final year students. The insights of the event are given below.
- Kickstart your GATE preparation journey with determination and focus! As the great Albert Einstein once said, 'The only thing that interferes with my learning is my education. Embrace the challenges, and let your passion for instrumentation be your guiding light to success! Good luck, future engineers!

PROJECT PROPOSAL

- Successful Guest Lecture on TRL and Project Proposal Framing. The Department of Electrical and Instrumentation Engineering, in association with IIC, hosted a successful guest lecture on TRL and project proposal framing for innovative product development. Dr. A.

K. Karthikeyan, Chief Executive Officer of MaDeIT Innovation Foundation, ITDM, delivered an insightful talk on the importance of TRL in product development. Over 100 students and faculty members attended the event.

PRODUCT DEVELOPMENT

The poster is for a guest lecture titled "INNOVATIVE PRODUCT DEVELOPMENT" held on 22.02.2024 at 11:00 AM in the E Block Class Room. It features the Sri Sairam Engineering College logo and name, along with the Department of Electronics and Instrumentation Engineering. The event is in association with the Institution's Innovation Council (IIC) and the Department of Electronics and Instrumentation Engineering. The resource persons are Dr. K. Renganathan, Professor & Head - Dept. of EIE, Innovation Ambassador, and Dr. T. Sathies Kumar, Associate Professor - Dept. of EIE, Innovation Ambassador. The poster also lists Ms. K. Srividya, Assoc/Prof - EIE, IIC Co-ordinator, Dr. K. Porkumaran, Principal, and Dr. Sai Prakash LeoMuthu, Chairman & CEO, Sairam Institutions. The bottom of the poster displays various accreditation logos including RAISE, EOMS, SDG, NIRF, and others.

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Sairam INSTITUTIONS
in association with
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING
INSTITUTION'S INNOVATION COUNCIL

Cordially Invite You for a GUEST LECTURE ON INNOVATIVE PRODUCT DEVELOPMENT
22.02.2024, Thursday | 11:00 AM | E BLOCK CLASS ROOM

Resource Persons
Dr. K. RENGANATHAN
Professor & Head - Dept. of EIE
Innovation Ambassador
Dr. T. SATHIES KUMAR
Associate Professor - Dept. of EIE
Innovation Ambassador

Ms. K. Srividya
Assoc/Prof - EIE
IIC Co-ordinator
Dr. K. Porkumaran
Principal
Dr. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions

RAISE EOMS SDG NIRF

- The Department of Electronics and Instrumentation Engineering, in collaboration with IIC, recently hosted a captivating guest lecture on "Innovative Project Development". This insightful session was tailored especially for our brilliant 2nd-year EIE students.
- Let's continue to inspire and innovate together!

HANDS-ON WITH PYTHON

Empowering Future Innovators !



- The Department of Electronics and Instrumentation Engineering, in association with Skill Development Club, successfully conducted a 2- day workshop on “Building the Future: Hands-On IoT with Python programming” for 3rd-year students.



- Students gained experience in: IoT fundamentals, Python programming and Real-World applications.

Hands-On training on Design of Embedded Systems



- The Department of Electronics and Instrumentation Engineering successfully organized a hands-on training session on Design of Embedded Systems Using KiCad Tools on 22nd December 2023. Guided by Mr. Utham Dev Selvaraj, the workshop equipped participants with practical skills in embedded system design, fostering enhanced technical proficiency. This initiative reflects the department's commitment to providing students with industry- relevant training and hands-on experience in emerging technologies.

Career Guidance



- On July 2, 2024, T.I.M.E. Institute visited our campus and conducted a special session for our third and final year Electronic and Instrumentation Engineering students. The session was designed to inspire and motivate our students to pursue higher studies and achieve their academic goals. The T.I.M.E. representatives provided valuable guidance on cracking competitive exams and pursuing advanced degrees. Our students are now well-prepared and excited to take on the challenges ahead.

STANDARDS IN ELECTRONIC DESIGN

- Department of Electronics and Instrumentation Engineering successfully conducted an event based on BIS - Bureau of Indian Standards for 3rd years and 2nd years of EIE. The participants effectively engaged in this meeting and gained valuable insights from the chief guest and received cash awards for their wonderful efforts.
- The events were Group discussion on the 5 chosen topics based on BIS for Electronics, followed by guest lecture by the chief guest and questions for 2nd years , and the final round is a case study event in which students participated effectively.

Sairam SDG ACTION PLAN Sairam RAISE FOMS ARIIA ALL INDIA RANKING OF ENGINEERING INSTITUTIONS TOP 25 RANKING INSTITUTION nriif NSI QAAC nriif Sairam

SEC202409BIS12

Bureau of Indian Standards
Government of India
(National Standards Body of India)
Chennai Branch Office

DEPARTMENT OF
ELECTRONICS AND INSTRUMENTATION
ENGINEERING

**STANDARDS IN
ELECTRONIC DESIGN**

CHIEF GUEST

 **Prakash Chandra Joshua C**
SkillsDA
Senior System Engineer

Smart Class - II

**SEP
24**

10AM-4PM

Dr.K.Anbumani
Co-ordinator

Dr.K.Renganathan
HOD/EIE

Dr.J.Raja
Principal/SEC

Dr.Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions



Standards in Industrial Electronics

Sairam SDG ACTION PLAN **Sairam** RAISE **Sairam** EOMS **ARIIA** ARIIA ACCREDITED FOR EXCELLENCE **nirf** NIRF RANKED **INSTITUTIONS** COUNCIL **SUSTAINABLE DEVELOPMENT GOALS**

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SEC202404DE206

Bureau of Indian Standards
Government of India
(National Standards Body of India)
Chennai Branch Office

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

STANDARDS IN INDUSTRIAL ELECTRONICS

EVENTS:

- PAPER PRESENTATION
- DRAMA
- AD-ZAP

ON 29TH APR, 24 (MONDAY)
TIMING: 2 PM - 4 PM

STUDENT CO-ORDINATORS:
SHRUTHI P D
SUVEKA S
SRIHARIPRIYAN P
ANAND A K

CHIEF GUEST
ABHINAV RAJAN
Senior Corporate Application Engineer
Microchip
Chennai, India

Dr.K.Anbumani
Co-ordinator

Dr.K.Renganathan
HOD / EIE

Dr.K.Porkumaran
Principal / SEC

Dr.Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions

- On "Standards in Industrial Electronics" organized by the Department of Electronics and Instrumentation Engineering at Sri SaiRam Engineering College, in association with BIS, was a huge success.
- Our students and faculty gained valuable insights into the importance of quality standards in industrial electronics and had the opportunity to network with industry experts.

PLACEMENTS (2023-2024)

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Dr. A. Anandharaj
Dean / EIE

Dr. S. Perumal
Barter Coordinator

Dr. K. Pradeep Lakshmi
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Dr. A. Anandakrishna
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Dr. K. Parthasarathy
Associate Prof.
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Mr. Praveen K. R.

Mr. Jagadgururam Placement Facilitator



Mr. R. Raghavendra HSDT IEC

Mr. R. Raghavendra HSDT IEC



Dr. K. Parthasarathy Sairam Institute of Technology

Dr. K. Parthasarathy Sairam Institute of Technology



Mr. Sravani

Mr. Jagadgururam Placement Facilitator



Mr. K. Raghav

Mr. Jagadgururam Placement Facilitator



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Dr. K. Parthasarathy
Asst. Prof. EIE

Dr. Sri Prakash Lakshminathan
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Dr. S. Pankarajan
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5.15 LPA

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HOD / EEE

Dr. L. Ranganathan
Dean / EEE

Dr. K. R. Manjunath
Principal

Dr. S. S. Manjunath
Lecturer & CEC

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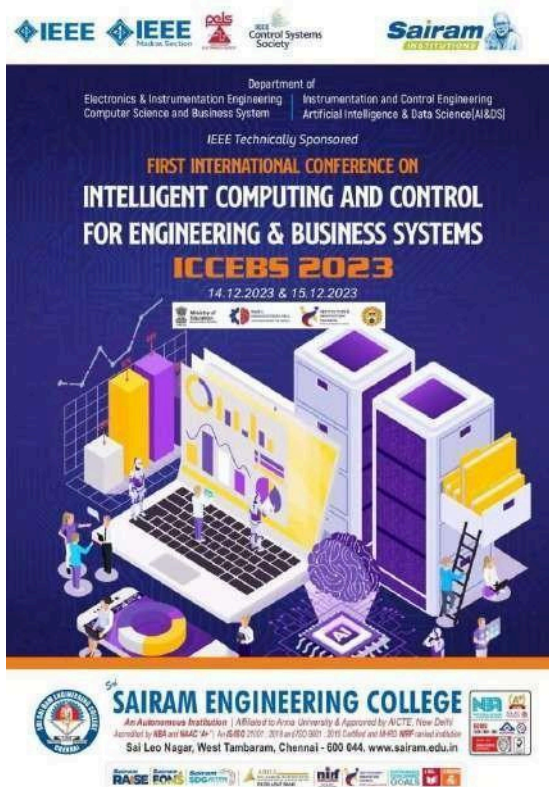
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accenture
4.5 LPA

Dr. Anandhi D.

IEEE Activities

ICCEBS International Conference



- ◆ Sri SaiRam Engineering College hosted the First International Conference on Intelligent Computing and Control for Engineering & Business Systems (ICCEBS 2023). The conference featured insightful presentations and discussions on the latest trends in AI, data science, and control systems. Over 100 delegates from various institutions attended the event. ICCEBS 2023 was a valuable platform for researchers and industry professionals to network and share their knowledge.

Seminar on **Modern power Converters for Charging Infrastructure**

The poster is for a seminar titled "Role of Modern Power Converters for EV Charging Infrastructure". It features the Sri Sairam Engineering College logo and name, along with various accreditation logos like RAISE, EOMS, ARITA, and IEEE. The event is organized by the Department of Electronics and Instrumentation Engineering in association with the IEEE PELS SEC SB CHAPTER. The guest speaker is Dr. K. Deepa, Associate Professor at Amrita Vishwa Vidyapeetham. The date is 02.12.2023, time is 6.30 to 7.30 pm, and the venue is online via Google Meet.

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DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

in association with
IEEE PELS SEC SB CHAPTER

Role of Modern Power Converters for EV Charging Infrastructure

Guest Speaker

Date: 02.12.2023
Time: 6.30 to 7.30 pm
Venue: Online

Google
meet.google.com/hey-dhsz-hva

Dr. K. Deepa
Associate Professor,
Electrical and Electronics Engineering,
AMRITA VISHWA VIDYAPEETHAM
School of Engineering, Bengaluru

Dr. M. Nalini Co-ordinator	Dr. T. Porselvi SEC IEEE PELS ADVISOR SENIOR MEMBER OF IEEE	Dr. K. Renganathan HOD / EIE	Dr. K. Porkumaran Principal / SEC	Dr. Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions
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- The Department of Electronics and Instrumentation Engineering at Sri Sairam Engineering College, in association with IEEE PELS SEC 58 Chapter, successfully conducted a seminar on the role of modern power converters in EV charging infrastructure. Dr. K. Derpa from Amrita Vishwa Vidyapeetham delivered a valuable talk on the topic. Over 50 students and faculty members attended the online seminar. The event highlighted the importance of power electronics in enabling the growth of electric vehicles.

Overview on visible light communication



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DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

In association with
IEEE Antennas and Propagation Society

An Overview on Visible Light Communication

Date: 12.12.2023
Time: 6.45pm -7.45pm
Venue: Online

Gmeet code: tdi-zpiq-nwq

Guest speaker




Dr. B. Anitha Vijayalakshmi
Professor
Department of Electronics and Communication Engineering
Saveetha School of Engineering
Saveetha Institute of Medical and Technical Sciences
Chennai

Ms.T.Tamilselvi Propagator SEC IEEE APS SB	Dr Manikandan J Advisor SEC IEEE APS SB	Dr.K.Renganathan HOD / EIE	Dr.K.Palanikumar Principal / SIT	Dr.K.Porkumaran Principal / SEC	Dr.Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions
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- Successful Overview on Visible Light Communication, The Department of Electronics and Instrumentation Engineering at Sri Sairam Engineering College successfully conducted a seminar on Visible Light Communication. The event featured a guest speaker from IEEE, who provided valuable insights into the technology. Attendees learned about the principles, applications, and challenges of VLC. The seminar was a great success, attracting students and faculty members interested in the field of optical communications.

Empowering Future Innovators!



The poster is for a workshop on Robotics and Automation for Instrumentation Engineers. It features a white robot holding a large gear on the left. The top section includes logos for Sairam RAISE, EOMS, SDG, and NIF, along with the Sairam Engineering College logo and accreditation details. Below this, it mentions the Institution Innovation Council and IEEE. The main title 'WORKSHOP ON ROBOTICS AND AUTOMATION' is in large blue letters, with 'For Instrumentation Engineers' below it. The dates '10.09.2024 & 13.09.2024 | 9.00 AM - 4.10 PM | Gamma Hall' are listed. Resource persons Dr. K. RENGANATHAN and Mr. V. YUVARAJ are named. At the bottom, co-ordinators Ms. T. Tamilselvi and Dr. B. Puviyarasi are listed, along with Dr. Sai Prakash LeoMuthu, Chairman & CEO of Sairam Institutions.

Sairam RAISE EOMS SDG NIF Sairam Engineering College SEC202407DEI07

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Institution Innovation Council & IEEE

Cordially Invite You for a
WORKSHOP ON
ROBOTICS AND AUTOMATION
For Instrumentation Engineers

10.09.2024 & 13.09.2024 | 9.00 AM - 4.10 PM | Gamma Hall

Resource Persons

Dr. K. RENGANATHAN
Professor & Head
Dept. of EIE

Mr. V. YUVARAJ
Trios technology

Ms. T. Tamilselvi
Dr. B. Puviyarasi
Co-ordinators

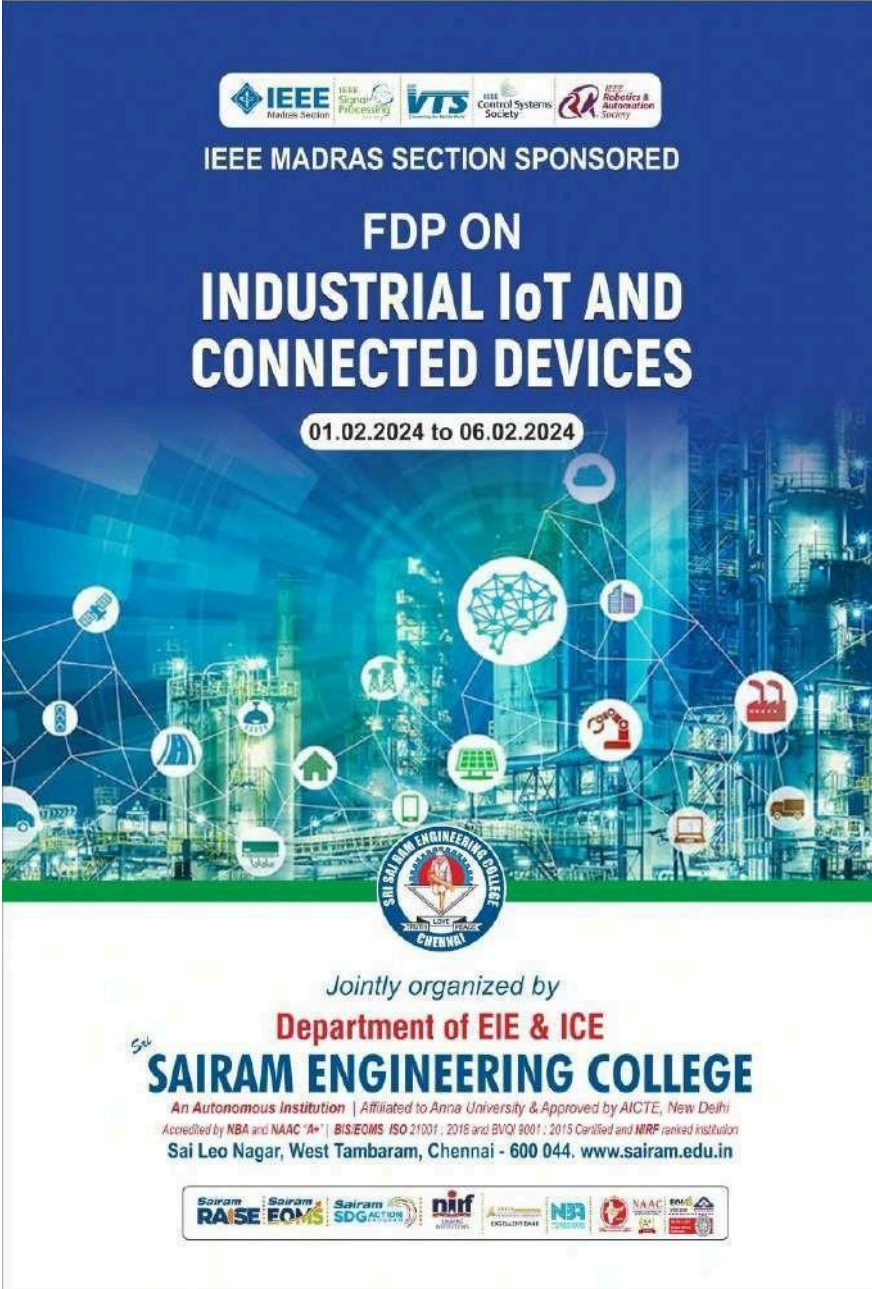
Dr. J. Raja
Principal

Dr. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions



- ♦Recently, Our 2nd-year students experienced an unforgettable journey into Robotics and Automation.
- ♦The Department of Electronics and Instrumentation Engineering conducted a hands-on workshop from 10.9.2024 to 13.9.2024.
- ♦Students gained invaluable insights and expertise in robotics and automation.
- ♦"Learning is not attained by chance, it must be sought for with ardor and attended to with diligence" -Abigail Adams.
- ♦Our students curiosity turned into innovation, and ideas turned into reality.
- ♦Congratulations to our budding engineers for taking the first step towards shaping the future.

Industrial Connected Devices

The poster features a blue background with a futuristic industrial scene. In the foreground, there's a network of white nodes and lines representing IoT connectivity, overlaid on a glowing blue industrial facility. Various icons like a satellite, a factory, a house, a car, and a server are connected to the network. At the top, logos for IEEE Madras Section, IEEE Signal Processing Society, VTS, IEEE Control Systems Society, and IEEE Robotics & Automation Society are displayed. Below these, the text 'IEEE MADRAS SECTION SPONSORED' is written. The main title 'FDP ON INDUSTRIAL IoT AND CONNECTED DEVICES' is in large, bold, white letters. Below the title, the dates '01.02.2024 to 06.02.2024' are shown in a white box. At the bottom, the Sri Sai Ram Engineering College logo is centered, followed by the text 'Jointly organized by Department of EIE & ICE SAI RAM ENGINEERING COLLEGE'. Below this, smaller text mentions accreditation by NBA and NAAC, affiliation to Anna University, and approval by AICTE. The address 'Sai Leo Nagar, West Tambaram, Chennai - 600 044' and the website 'www.sairam.edu.in' are also provided. At the very bottom, a row of logos for various accreditation and membership bodies like RAISE, FOMS, SDG ACTION, NIRF, and NAAC is shown.

IEEE Madras Section | IEEE Signal Processing Society | VTS | IEEE Control Systems Society | IEEE Robotics & Automation Society

IEEE MADRAS SECTION SPONSORED

**FDP ON
INDUSTRIAL IoT AND
CONNECTED DEVICES**

01.02.2024 to 06.02.2024

SRI SAI RAM ENGINEERING COLLEGE
CHENNAI

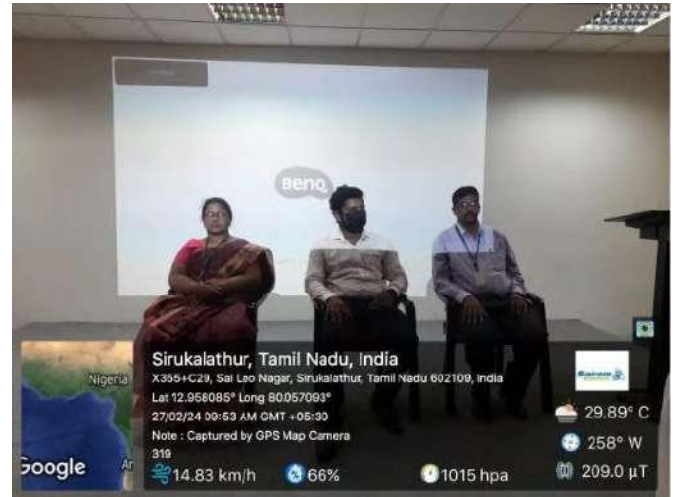
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Sairam RAISE FOMS Sairam SDG ACTION NIRF NAAC ENAC

- IEEE Madras Section Sponsored FDP on Industrial IoT and Connected Devices was a successful 6-day Faculty Development Program at Sri Sairam Engineering College. It acted as key learning event about the latest trends in Industrial IoT and connected devices. This FDP is designed for faculty members and researchers.
- Dates: 01.02.2024 to 06.02.2024
- Organized by: Department of EIE & ICE, Sri SaiRam Engineering College

Internet of Things



The "Bootcamp on Internet of Things" held on February 27-28, 2024, in Smart Classroom 1 was an engaging and informative event for tech enthusiasts. Led by resource person Mr. R. Ranjith Kumar, a skilled Devops engineer from Lux and Decibels, participants delved into the latest trends and technologies in IoT. The bootcamp provided hands-on experience and practical insights, equipping attendees with essential skills to navigate the evolving landscape of connected devices. Participants left inspired and ready to explore innovative solutions in the Internet of Things, enriched by the collaborative atmosphere fostered during the event.

Outreach program on Sustainable Development

SEC202404IEEECoS002

IEEE Education Week
Department of Electronics and Instrumentation Engineering

in Association with
IEEE Control System Society &
IEEE Professional Communication Society

OUTREACH PROGRAM ON SUSTAINABLE DEVELOPMENT GOALS

Synergistic Social Support for Schools

18.04.2024 | 10.00 AM to 12.30 PM
Venue : GTA Vidya Mandir, Neelankarai, Chennai

Co-ordinators:
Dr. C. Priya, Dr. M. Jagadeesh Kumar
IEEE Control System Society Senior Members

Student Co-ordinators:
Nivedhitha M | Dharanidevi S
Deepika C | Roshini T | Anitha M

Dr. Geetha
Advisor
IEEE PCS Chapter

Dr. S. Subha
Advisor
IEEE CSS Chapter

Dr. K. Renganathan
HOD/EIE

Dr. K. Palanikumar
Principal - SIT

Dr. K. Porkumaran
Principal - SEC

Dr. Sai Prakash LeoMuthu
Chairman & CEO
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Dr. M. L. N. LEO MUTHU
Chairman, Sairam Institutions

Sairam RAISE **Sairam FOMS** **Sairam SDG ACTION** **ARIIA** **EXCELLENT BAND** **nirf** **SUSTAINABLE DEVELOPMENT GOALS**

- Department of Electronics and Instrumentation Engineering has organised an Outreach program on “Sustainable Development Goals” on 18.04.2024 at GTA vidhya mandir,Neelankarai ,Chennai. This program has been conducted in association with IEEE Control System Society and IEEE Professional Communication Society

Training for Industry Professionals 2.0



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SEC202407IEEECOS03

 **DEPARTMENT OF
ELECTRONICS AND
INSTRUMENTATION
ENGINEERING**

**IEEE
Control Systems
Society**

**TRAINING FOR
INDUSTRY PROFESSIONALS 2.0**

DATE: 23.07.2024(TUESDAY)
TIMING: 9.00AM TO 4.30PM
VENUE: E BLOCK SMARTCLASS - II

Dr. S. Subha IEEE CSS Chapter Advisor	Dr. K. Renganathan HOD / EIE	Dr. J. Raja Principal / SEC	Dr. Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions
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- Department of Electronics and Instrumentation Engineering has conducted a Training for Industry Professionals 2.0 on 23.07.2024 at Sri SaiRam Engineering College ,E Block Smartclass-II. It has been conducted in association with IEEE Control Systems Society.

Bootcamp SERIES

- ♦Successful IoT Bootcamp Series II The second installment of our IoT Bootcamp Series was a resounding success. Participants learned about the latest trends and applications in IoT from industry expert Dr. B. Senthil Kumar. Hands-on training sessions allowed attendees to gain practical experience with IoT devices and platforms. The bootcamp was a valuable opportunity for students, professionals, and enthusiasts to enhance their IoT skills.

COFFEE WITH



Shanmugathai M

M.phil, Ph.d, Professor (Dept. Of English), Sri SaiRam
Engineering College



Q1. In our view, you have been a true 'wonder woman' for the WOW Cell at our college and a champion for women's empowerment in society. There is a widespread belief that men receive more opportunities than women. Do you agree with this statement? If so, why, and if not, why?

Answer: I definitely disagree with the notion that we should focus solely on gender equality. We are in the 21st century, where we have been discussing gender equality for quite some time. It's high time we focus on our own development and take action. According to government norms, whether at the state or central level, various schemes are available to support us. Instead of blaming the system or those who oppose us, we should identify the different resources, people, and avenues around us and strive to advance in our lives. That is what I believe. Equity is different from equality. In the past, people, especially women, faced disparities in pay, from daily wages to high-level positions. However, those days are largely behind us; people have fought for fair wages, and in many areas, we are paid equally—except in rural areas, where physical labor often dictates pay. We may be mentally strong, our physical capabilities can differ. This is simply a part of our biological makeup, and it shouldn't lead to complaints. I believe that there are many opportunities available today. It is up to us to take initiative and establish a name for ourselves.

Q2. Loyalty towards one institution can be a powerful motivator. Can you share your perspective on the significance of loyalty among both faculty and students in achieving institutional goals?

Answer: I appreciate the question and want to share my experience. I joined this institution at 25, feeling quite inexperienced. However, I learned invaluable lessons from my students. After completing my education and getting married, I chose this institution over government roles, largely due to the opportunity to work with our esteemed founder.

After 28 years here, I realize that while I lived in my native place for 25 years and with my husband for 23, I've spent nearly three decades with this institution and its students. They are my strength; their curiosity drives me to enhance my own knowledge and skills.

Q3. As a captain of the school's softball team, which skills inspired you to lead a department?

Answer: Actually, being different is not my forte. My goal is always set on winning. I will create a winning formula with my subordinates and fellow members. I am a complete team player. It's not that I always lead from the front and allocate work to others. I will be the first performer, and I want my team members to follow my lead. That is my winning formula. I will identify a strategy based on the strengths and weaknesses of my teammates, juniors, and colleagues. In short, it's all about strengthening our team."

Q4. In your 28 years of your journey as a professor , have any student or incident inspired you? Could you share those inspiring stories?

Answer: There was an event where I borrowed a car from Balu sir and traveled to Kodambakkam to attend. There was a long queue of people waiting to go on stage, and she was standing on the stage. When she noticed my presence, she immediately called me to the stage. She asked me if Parthal looked like Siddharth, and indeed, Parthal did look exactly like Siddharth. That was a beautiful memory with Purnima. Afterward, she addressed many first-year students.

I will also connect this with E&A. There are plenty of E&I students as well. From the first batch I handled, there was one tall and fair student who, at the time, reminded me of a cricketer. Since I'm interested in sports, I thought of Kevin Pietersen. The guy from the E&L first-year batch looked just like Kevin Pietersen, so I would often call him 'Kevin.' I'd ask, 'How are you, Kevin?' Those are some happy memories. Thank you for this wonderful opportunity. I am signing off now

Q5. In what ways have your knowledge of journalism and psychology contributed to your success as a teacher in the workplace?

Answer: However, the lessons you absorb when you are young can help you understand the actions of students. As language teachers, we should teach them social skills in addition to professional skills. Social skills are essential and should be learned in the context of language education, which connects to my study of psychology.

Q6. From your LinkedIn profile, we noticed that you've been a TEDx organizer. Could you elaborate on the kinds of events you've organized, and which one you found to be the most challenging?

Answer: We have successfully completed ten events, starting from a time when I was initially clueless about the concept. One day, while traveling on the college bus, I received a call from our CEO asking if I knew about TED. I admitted I didn't, but I promised to look into it. During the ride, I spoke to two students—one of whom was unsure, while the other explained that TED is a fantastic platform that allows people of all ages and backgrounds to share their ideas and experiences. Encouraged by this feedback, we realized that organizing TEDx could bring a transformative perspective to our students. The CEO suggested involving a group of students in planning and inviting speakers from various fields. We embraced this idea and successfully established TEDx at our institution, which continues to thrive. I am hopeful that with the support of people like you, we will secure the necessary licenses and successfully conduct our next edition."

Q7. You served as a translator for the 90 Advocate Wing at the Chennai Chambers, which is a government position in a stable job sector. What motivated you to leave that role and pursue your current profession in the private sector?

Answer: I want to clarify my translation work while I was here. My late husband was an advocate, and through him, I received opportunities to translate between English and Tamil. I consider myself an "English Vadicha Tamilachi," meaning I'm proficient in both languages and can translate accurately. Although my LinkedIn profile indicates that I worked full-time for four years, this work was not with the government; rather, it involved translating for private parties as part of my husband's job. I was compensated each time I translated a script. This distinction is important, which is why I wanted to correct the impression about my translation experience.

Q8. Nowadays, many students seem less inclined to pursue vocational and arts degrees. What are your thoughts on this trend?

Answer: Learning should be diversified, first of all. Engineers are needed, no doubt about that. But a full meal is different from having mutton biryani. You cannot eat mutton biryani or chicken biryani every day. A balanced meal, where all the items complement each other, supports good digestion. Similarly, if a certain percentage of students are aiming for engineering, there should be at least a smaller percentage aiming for the arts. Only then will education be complete, and everyone will have different roles to play. We need advocates, professors, people in the armed forces, medics, and many more.

Q9. What prompted you to roll up your sleeves and start volunteering with Self Help Group India, and what insights have you gained from this experience?

Answer: The Self-Help Group (SHG) initiative was originally started by CM Karunanidhi but was greatly advanced by Madam Jayalalitha. Selected institutions, including ours, were involved in training SHG members in basic computer skills, social skills, tailoring, and other areas to help them establish their careers. At that time, I was chosen as a trainer by our principal, Dr. Seetharaman, who believed I could do justice to the role. With support from HODs like Dr. Sheila for computer training, I handled the training in social and language skills. It was a fulfilling experience, where it felt like the universe conspired to help me assist those in need. Over my 20-year career, including 8 years of direct experience, I've seen different generations—from the 90s to the 2000s—each with varying perspectives and gaps. It has been a rewarding journey to adapt and help them grow.

Q10. How have you shaped your development as a professor in response to the evolving generations of students? how did you go through each stage or phase?

Answer: Dynamism and change occur every decade, and we must adapt to these shifts. For example, in old movies, shirts had two pleats at the back, then later just one in the middle. Now, sarees feature multiple pleats—things evolve. Every year, when a new batch of students arrives, it brings a fresh energy to the college, making me feel younger. Even now, I feel physically and mentally strong, on par with my juniors in their early 30s. People often remark on my experience, but I believe our physical and mental health must complement that experience. The freshers who come in every year keep me inspired. I feel relaxed now because earlier, I had a class with CSE students who were very attentive. That motivates me to stay engaged. I watch movies and listen to songs to stay updated, as I lead the cultural team. I watch everything from English films to Bollywood. I can even tell you the history of Ranbir Kapoor, tracing back to Raj Kapoor's era. While I may be weaker in areas like technology, as a simple English teacher, my goal is to always be a good teacher, and I strive for that continuously

RAPID FIRE QUESTIONS

Q1.What are your future plans after teaching?

Answer: Content writer. I mean in online forums, plenty of forums are available. I will go and do some.

Q2. What is the best advice you have ever received and from whom? Answer: People often give advice that sticks with us. I still remember my second standard teacher, Mr. Anthony, who taught me to aim for success but find satisfaction in trying, even if I lose. The best advice I received is to never give up—you'll regret not trying more than failing. We should be grateful for what we have, rather than longing for what we don't. I'm a positive person, and while I won't delve into personal stories, life has treated me well, and I'm thankful to God for that.

Q3. Who is your favorite author - what play or character is it ?

Answer: Cleopatra is an iconic character, and I believe no matter what genre of movies or books you enjoy, nothing compares if you've read all of Shakespeare's 34 plays. Shakespeare, in my view, was the ultimate author—there will only ever be one like him. When I see actresses like Nayanthara or Madhuri Dixit, I often relate them to Cleopatra's timeless beauty and power. They pale in comparison to the greatness of Cleopatra, whom Shakespeare portrayed so vividly in Antony and Cleopatra. Writing a novel allows more freedom, but crafting a drama through pure conversation, as Shakespeare did, is much more challenging, which is why he stands unmatched. Reading his works fuels creativity, allowing us to imagine and become the characters we admire. By the way, you might be surprised, but I once tried for IIT and even wrote the entrance exam after completing 12th standard.

Q4. If you could only communicate using one sound for the rest of your life, what would it be?

Answer : "The" is the most powerful word in the universe. Think about it The Prime Minister, The President of the United States—it signifies importance and superiority. Even as an English teacher, I believe the holds immense power in language. You learn it, and you share that knowledge, spreading its impact. Language isn't just about words, it's about experience—learning from others and vice versa. For example, I once got a tattoo to cover a scar, and when tattoos were new to India, everyone was surprised. But for me, it was meaningful, just like the interactions I have with my students.

Q5. What's the weirdest combo of foods that you've ever eaten ? Answer: Biryani with sambar. Sometimes plain biryani with sambar , Because I'm addicted to sambar.

Q6. What's the most ridiculous thing you believed as a kid?

Answer: I thought, I mean, if I use right hand, I will be brilliant. Because by an accident, I became a left hander. My brothers were telling, you should not use your left hand. Because I was having the habit of using left hand. I was primarily a left hander. They told me to use only right hand and they said I will be brilliant once I start, so that's what I'm saying.

Q7. If you have a genie next to you and he gives you three wishes. So what would be that three wishes?

Answer: Three wishes? I want to be reborn as my mother, One thing. Second thing is to be in medical profession. It is missing on my part of life. And one more thing I will say, I should represent my country in one way or another way. I can be in a triform, I can play for the nation, I can be in the administrative post. These three things I will say.

Q8. If you could invent a holiday, what would it celebrate?

Answer: Going to my native place, which is Kuttyalam, which is next to God's own land, that is Kerala and the most likable place in my native place is my home, my room, my bed. Nothing is matched with that.

STAFF ACTIVITIES

- ♦Dr. K. Renganathan, Head of the Department of EIE, has successfully completed the ABET Program Evaluator Candidate Training held in Baltimore, Maryland, USA, on May 21, 2024.

- ♦Dr. K. Renganathan, Head of the Department of EIE, have been awarded NPTEL certification for the January-April 2024 session.
- ♦Dr. K. Renganathan, The Head Of The Department, has worked as mentor for two students undergoing VRAP in UTP Malaysia.



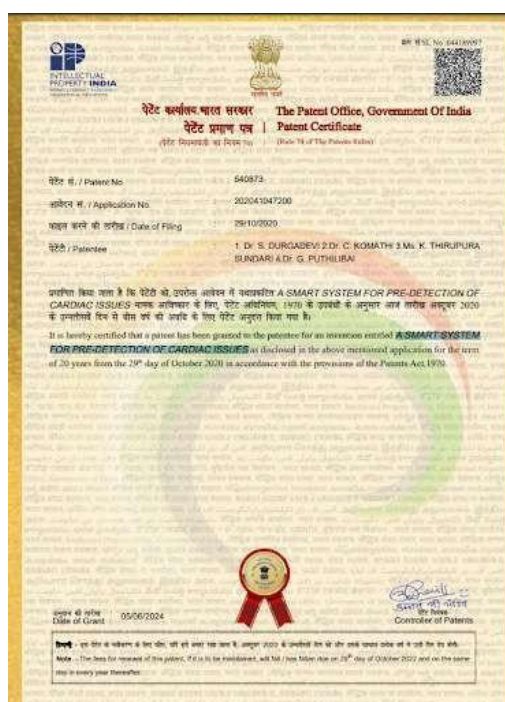
...s worked for development
... Dr. K. Renganathan, The
...r 2 doctors of Chettinad

- Dr.M.Nalini has published a Conference Paper on “Industry automation:The contributions of artificial intelligence(AI)”.
- Dr.M.Nalini has published a Conference Paper on “ AI-Dependent Intrusion Detection System for IoT-Enabled Smart City Applications”. Dr.M.Nalini has
- published a Conference Paper on “Advanced Integrated Prosthetic Ankle”.
- Dr.M.Nalini has published a Conference paper on “AI-Powered Drones for Healthcare Applications”.
- Dr.M.Nalini has published a Conference paper on “IOT based real time water level flow consumption meter”.
- Dr.M.Nalini has published a Conference paper on “Smart Traffic Control System with Ambulance Detection Using Signal Processing”.
- Dr.M.Nalini has published a Conference paper on “Myocardial Analysis by Breathalyzer”.
- Dr.M.Nalini has published a Conference paper on “Investigations on Structural, Magnetic and Electrical Properties of Fe O Nanoparticles”. Dr.M.Nalini has
- published a Conference paper on “Parkinson's Disease Detection by Machine Learning”.
- Dr.M.Nalini acted as a chief guest for one day National Seminar on Recent Advancements in Artificial Intelligence in Instrumentation and Control systems at SRM Valliammai Engineering College on 21.5.24 and I delivered speech on IBM tools for Artificial Intelligence.



- Dr.S.Durgadevi, Associate professor have received an CERTIFICATION OF REVIEW for the successful completion of 1 high- quality review for International Conference on Electrical, Computer and Energy Technologies (ICECET 2024)
- Dr. S. Durgadevi, Associate professor have Published one SCI Journal in IETE journal of research , 2 book chapters and 3 scopes indexed journals during the period of 2023-2024.

- ♦Dr. S. Durgadevi, Associate professor have received an certificate for International Journal of Power Electronics and Drive Systems in recognition of his/her contribution as Reviewer .
- ♦Dr. S. Durgadevi, Associate professor Presented research paper in 3 international conferences during the period of 2023-2024.
- ♦Dr. S. Durgadevi, Associate professor have received an Certificate of excellence in reviewing by Journal of Engineering Research and Reports during April 2023
- ♦Dr. S. Durgadevi, Associate professor have performed as an Institute level coordinator for QS I Gauge rating system ,ISO 21001:2018 and NAAC
- ♦Dr. S. Durgadevi, Associate professor has worked as Session Chair for International Conference on Emerging Trends in Engineering and Technology (ICETET)” during 2023
- ♦Dr. S. Durgadevi, Associate professor has worked as Session Chair for INTERNATIONAL CONFERENCE ON Intelligent computing and control for Engineering and Business systems – ICCEBS 2023 Published 3 application patents ♦during 2023-24
- ♦Dr. S. Durgadevi, Associate professor has filed a patent on “ A SMART SYSTEM FOR PRE-DETECTION OF CARDIAC ISSUES” is granted on 05.06.2024.
- ♦Dr. S. Durgadevi, Associate professor was granted of Rs 26,65,500/- is in progress as Co-Principal Investigator .



- Ms.K.Thirupura Sundari, Associate Professor, has got certification for being recognized as NPTEL BELIEVER.
- Ms.K.Thirupura Sundari, Associate Professor , has got certification for being recognized as NPTEL ENTHUSIAST.



- Ms.K.Thirupura Sundari, Associate Professor, Awarded as NPTEL Top Performing Mentor for the course Fuzzy Logic Sets and its applications.
- Ms.K.Thirupura Sundari, Associate Professor, Awarded as NPTEL Topper of 1% for the course “Introduction to Industry 4.0 and Industrial Internet of Things” during July 23 to Oct 23.
- Ms.K.Thirupura Sundari, Associate Professor, has got Two NPTEL Silver Awards for the course Accreditation and outcome based learning, Teaching And Learning in Engineering (TALE) Ms.K.Thirupura Sundari,
- Associate Professor, has got TOP PERFORMING MENTOR certification in recognition of her role as mentor for the NPTEL online certification course.



- ♦Ms. K. Thirupura Sundari, Associate Professor has published an Article that titled as “Linear Quadratic Regulator Based PI Control of a Non_Ideal Quadratic Boost PFC Convertor for Low Power Wind Energy Conversion Systems Supplying Uninterruptible DC Power” .
- ♦Ms.K.Thirupura Sundari ,Associate Professor has published the book chapter that titled as “Smart Power Strip for Household Power Outlet Control and Energy Conservation using IOT”
- ♦MS.K.Thirupura Sundari, Associate professor, has contributed as a Reviewer the following journal ,
- ♦Reviewer in the Journal of Electrical Engineering, Springer Reviewer in the
- ♦Journal of Applied Artificial Intelligence
- ♦Reviewer in the International Journal of Power Electronics and Drive Systems
- ♦MS.K.Thirupura Sundari, Associate professor, has contributed as a Reviewer in the international journal of POWER ELECTRONICS AND DRIVE SYSTEM.



•MS.K.Thirupura Sundari, Associate professor, has conducted the following workshops/FDP,

1. Organised a Five Days Faculty Development Programme On Industrial Internet Of Things And Connected Devices From 01.02.2024 TO 06.02.2024.
2. Organised an one day Hands On Training On Design Of Embedded Systems Using Kicad Tools on 22.12.23.
3. Session Chair for the International Conference on Intelligent computing and control for Engineering and Business systems – ICCEBS 2023
4. Published 1 application patent and and one design patent during 2023-2024

• Dr. K. Thirupura Sundari from Sri SaiRam Engineering College has participated in Six days workshop on "" Unleashing the Potential of AI in Power Quality: From Monitoring to Neuro Classifier "" with Hands- on, Sponsored by Scheme for Promotion of Academic and Research Collaboration (SPARC), Organized by Department of Electrical and Electronics Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, TamilNadu, India, during 26th February 2nd March 2024.



- Mr. B. Rajapandian, Associate Professor has published a conference paper in “Smart Safety Device” in ICCEBS 2023.
- Mr. B. Rajapandian, Associate Professor has published a conference Ms Subha S, Associate Professor,
- Mr. B. Rajapandian, Associate Professor has published a conference paper in “IoT Based Smart Biometric Safety and Security in Modern Motorbikes” in ICCEBS 2023- and also Received best paper award.
- Mr. B. Rajapandian, Associate Professor has published Patent on IOT BASED SMART BIOMETRIC SAFETY AND SECURITY IN MODERN MOTORBIKES
- Mr. B. Rajapandian, Associate Professor has published Patent for SMART WASTE SEGREGATOR on 13/09/2024.



- ♦Dr. K. Anbumani/Associate Professor has been honored as one of the top 100 mentors in India national ATL Tinkerpreneur 2023 Awards; we extend our heartfelt congratulations to Dr. Anbumani for this prestigious recognition and his dedication to mentoring the next generation of innovators.



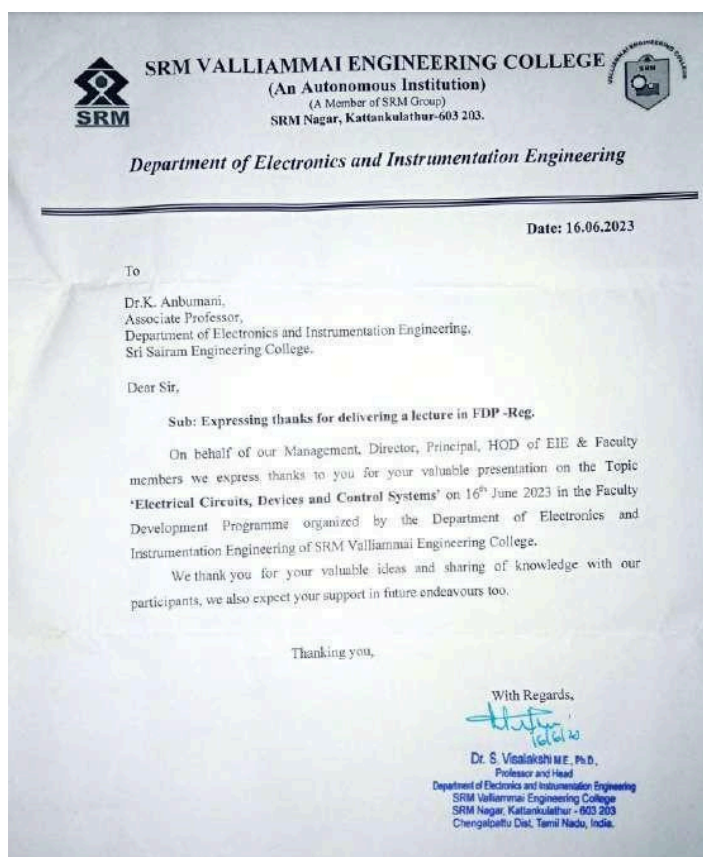
- ♦Dr.K.Anbumani, Associate professor ,has worked as Session Chair for INTERNATIONAL CONFERENCE ON Intelligent computing and control for Engineering and Business systems – ICCEBS 2023



- Dr.K.Anbumani, Associate professor has contributed as a Reviewer in the Conference “Recent development in Cyber Security (ReCDySec- 2023)” at Sharda University , Greater Noida



- Dr.K.Anbumani, Associate professor, has presented on Topic - Electrical Circuits, Devices and Control System in the faculty development programme organised by Department of EIE by SRM Valliammai Engineering College



- Ms. K. Srividya, Associate Professor got an certification for contributing as a Mentor of ATL Tinkerpreneur 2023
- Ms. K. Srividya, Associate Professor got an certification for being the evaluator of Sairam SDG Ideathon 3.0 under SDG goal 16
- Ms. K. Srividya, Associate Professor has published the paper “AR Based Vehicle Diagnostic Tool ” in ICCEBS 2023
- Ms. K. Srividya, Associate Professor has published the paper “Review on Microaneurysms Detection Using Image Processing ” in ICCEBS 2023
- Ms. K. Srividya, Associate Professor has published the paper “Smart Glasses for Disabled People “in ICCEBS 2023
- Ms. K. Srividya, Associate Professor has published the paper “A Systematic Approach on Waste Water Treatment Using Predictive Analysis “ Motorbikes” in ICCEBS 2023
- Ms. K. Srividya, Associate Professor has published the patent “IOT based smart biometric safety and security in modern Motorbikes\ Ms. K. Srividya, Associate
- Professor got an certification for being served as a reviewer at International conference of emerging computational intelligence
- Ms. K. Srividya, Associate Professor got an certification for being served as a reviewer at conference on “Intelligent computing and Control for engineering and business systems (ICCEBS’23)
- Ms. K. Srividya, Associate Professor got an certification for being served as a volunteer at IEEE Xtreme python 17.0 programming competition



- Mr. R. Premkumar ,Associate Professor has guided the project Enhancement of safety in Fuel gas Compressor using PLC (2023 - 2023) Mr. R.
- Premkumar, Associate Professor has guided the project AGRIBOT- The Technology of smart and sustainable farming (2023 - 2024)
- Completed NPTEL courses Control Engineering, Network Analysis, Analog Circuits and Sensors & Actuators. (2024)
- Mr. R. Premkumar ,Associate Professor has published the Patent for ICHMS - INTELLIGENT CROP HEALTH MONITORING SYSTEM USING ARTIFICIAL INTELLIGENCE WITH SMART DEVICE INTEGRATION (07/06/2024)
- Mr. R. Premkumar ,Associate Professor has published the Patent for A Time Synchronization Method for time sensitive communication in a 5G system(28/06/2024)
- Mr. R. Premkumar ,Associate Professor has published the Patent for A NOVEL FOREST FIRE DETECTION SYSTEM USING WIRELESS SENSORY NETWORKS(23/08/2024)
- Mr. R. Premkumar ,Associate Professor has published the Patent for BEAMFORMING BETWEEN CELLS IN CLOUD ENVIRONMENT WITH 6G NETWORK(05/04/2024)
- Mr. R. Premkumar ,Associate Professor has presented the paper Navigating Emerging Technologies: A Comprehensive Review of 5G and the Evolving Landscape of 6G Communication at 2024 International Conference on Communication, Computing and Internet of Things
- Mr. R. Premkumar ,Associate Professor has presented the paper E-bike using wireless charging and split battery with renewable energy at International Conference on Power, Energy, Control, and Transmission Systems (ICPECTS) 2024
- Mr. R. Premkumar ,Associate Professor has presented the paper Design and Implementation of Solar-Powered Bi-Directional Wireless Charging System for Electric Bicycle at International Conference on Power, Energy, Control, and Transmission Systems (ICPECTS) 2024
- Mr. R. Premkumar ,Associate Professor has presented the paper A Multimodal Diagnostic Framework for Autism Spectrum Disorder Using Deep Learning- An In-Depth Exploration at International Conference on Power, Energy, Control, and Transmission Systems (ICPECTS) 2024

- Ms. S. Premalatha, Associate professor got certification for completing NPTEL course on Accreditation and Outcome based learning
- Ms. S. Premalatha, Associate professor got certification for participating in professional development programme on AI application in Electrical and Electronics Engineering
- Ms. S. Premalatha, Associate professor got certification for completing NPTEL course on Python on Data Science
- Ms. S. Premalatha, Associate professor got certification for completing NPTEL course on Introduction to Industry 4.0 and Industrial Internet of Things
- Ms. S. Premalatha, Associate professor got certification for participating in Development program on Exploring Wearable Tech and AI innovations for personalized healthcare (July 3rd to July 7th)
- Ms. S. Premalatha, Associate professor got certification for completing AICTE Training and (Learning) ATAL Academy.



- Dr.T.Sathies Kumar, Associate Professor, has published a Conference Paper on “Contact-Less Hand Disinfection Using Arduino and UV Lighting” in ICCEBS 2023
- Dr.T.Sathies Kumar, Associate Professor, has published a Conference Paper on “Crop Selection and Cultivation using Machine Learning” in ICCEBS 2023-
- Dr.T.Sathies Kumar, Associate Professor, has published a Conference Paper on “Seed Sprinkling Agribot with Irrigation Processor” in ICCEBS 2023
- Dr.T.Sathies Kumar, Associate Professor, has published a Patent on title “Detection and Classification of Breast Cancer”
- Dr Subha S, Associate Professor, has got certification for being recognized as NPTEL BELIEVER Jan - Apr 2024
- Dr. Subha S Associate Professor , has got certification for being recognized as NPTEL DISCIPLINE STAR Jul - Dec 2023



- Dr.Subha S, Associate Professor, has got certification from IEEE India Council Award for Outstanding Volunteer of the year



- ◆ Dr. Subha S, Associate Professor, has got certification of graduation from the IEEE Volunteer Leadership Training Program from IEEE VoLT Program Graduate.



- ◆ Dr. Subha S, Associate Professor, has presented an paper on COMMUNICATION NETWORK RAPID FAULT DETECTION RESTORATION SYSTEM FOR RELIABLE UNDERGROUND DISTRIBUTION OFC USING MODERN TECHNOLOGY in the first conference on “Intelligent computing and Control for engineering and business systems (ICCEBS’23).
- ◆ Dr. T. Tamilselvi, Associate professor, has published the paper Titled “Optimization of Metal-Matrix Composites by W-EDM with CNT” in ICCEBS 2023 .
- ◆ Dr. T. Tamilselvi, Associate professor, has published the paper Titled “Efficient Approach for Epileptic Seizure Classification and Detection based on Genetic Algorithm with CNN-RNN Classifier” in ACCAI 2024.
- ◆ Dr. T. Tamilselvi, Associate professor, has published the paper Titled “Autonomous billing cart for rentail store in ICCEBS 2023.

- Ms.R.Gayathri has published a Conference Paper on “ IOT based real time water level flow consumption meter”.
 - Ms.R.Gayathri has published a Conference Paper on “Efficient Medical Image Compression Based on Wavelet Transform and Modified Gray Wolf Optimization”.
 - Ms.R.Gayathri has published a Conference Paper on “IoT Based Smart Biometric Safety and Security in Modern Motorbikes”.
 - Ms.R.Gayathri has published a Conference Paper on “Myocardial Analysis by Breathalyzer”.
 - Ms.R.Gayathri has published a Conference Paper on “Water Purifier with Clogged Copper Filter”.
 - Ms.R.Gayathri has published a Conference Paper on “Skin Cancer Detection Using Tensorflow Framework”.
 - Ms.R.Gayathri has published a Conference Paper on “Review on Microaneurysms Detection Using Image Processing”.
 - Ms.R.Gayathri has published a Conference Paper on “Sustainable Burlap Hygiene Pads”.
 - Ms.R.Gayathri has published a Conference Paper on “Dual Tone Multi Frequency for Home Automation”
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- Mr. K. Madhana Mohan, Assistant Professor has organised and accompanied the current Final year to CET power solutions, Chennai as Industrial Visit .
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- Mr. M. Subramanian , Assistant Professor, EIE has contributed as an Internal Hackathon Evaluator in Smart India Hackathon,2024 held on Wednesday, 18th September 2024 at Adiparasakthi Engineering College.

- Dr. B. Puviyarasi, Assistant Professor has been recognized for publishing her research in a Q1 journal during her Ph.D. studies under the Faculty of Electrical Engineering. This prestigious award was presented by the Centre for Research at Anna University, Chennai.
- Dr. B. Puviyarasi, Assistant Professor has completed her PhD in faculty of electrical engineering



- Ms.N.Nithya Rani, has organized an event in IEEE control System Society on 17&18 OCT,2023 .
- Ms.N.Nithya Rani has a senior membership in control system society and has a life time membership in it.
- Ms.N.Nithya Rani, has participated in the IEEE event and has published paper on the title "Development on smart energy sensor in IOT".
- Ms.N.Nithya Rani, has participated in the IEEE event and has published a paper on the title "A Systematic approach on waste water treatment using predictive analyses".
- Ms.N.Nithya Rani, has presented a paper on title "Self charging in E- Vehicle using two Batteries" held on 17th and 18th April 2024.
- Ms.N.Nithya Rani, has participated in the Five Days Faculty Development Program on "Industrial Internet of things and connected Devices "from 01.02.2024 to 06.02.2024.
- Ms.N.Nithya Rani, has participated in the "Data Science Conclave" organized by sairam institutions in association with Chennai data circle held on 10th February 2024.



PAPER PUBLICATIONS

1. Dr. K. Renganathan, Head Of The Department has published the following papers

- Titled "Self Charging In E-Vehicle Using Two Batteries" Rani, N.N., Renganathan, K. Praveen, G.D. Santhoshkumar, B, Guru Prasad, S. in 2024 International Conference on Communication, Computing and Internet of Things, IC3IoT 2024 - Proceedings, 2024
- Titled "Development of Interactive Boolean Algebra Lesson Using Unreal Engine 5" Subramanian, M., Samyuktha, K. Prashithaa, N., Renganathan, K., Hai Hiung, L. in 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023,
- Titled "Development of Smart Energy Meter Based on IoT" Nithya Rani, N., Renganathan, K., Jyolsna, M., ... Vidhula, R., Sruthee, S. 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, 2023
- Titled "A Systematic Approach on Waste Water Treatment Using Predictive Analysis", Renganathan, K., Srividya, K., Rani, N.N., ... Bhaskar, V., Vishnuvardhan, J. 2023 Intelligent Computing and Control for Engineering and Business Systems, ICCEBS 2023, 2023

2. Dr.M.Nalini, Professor has published the following conference papers. Titled

- "Smart traffic control system with ambulance detection using signal processing".
- Titled "Parkinson's Disease Detection by Machine Learning".
- Titled "Anemia detection through image analysis and image processing".
- Titled "Advanced integrated prosthetic ankle".

3. Dr.S.Durga Devi, Associate Professor has published the following conference papers.

- ♦Titled "An improved onboard electric vehicle battery charger using optimized fractional order power factor correction controller".

4. Ms.K.Thirupura Sundari, Associate Professor, has published the following papers

- ♦Titled "A Smart Solar Monitoring System Using IOT" . Titled "Tech Trash _ A Smart Dustbin" .
- ♦Titled "Fuzzy Logic Control Of Liquid Level in a Single Tank With IOT Based Monitoring System".
- ♦Titled "A Novel Technique for Automatic Blackboard Cleaning System".
- ♦Titled "Controller Optimization for a Single Tank Liquid Level System".
- ♦Titled " Detection And Classification Of Muscular Fatigueness On Upper Extremities Using Surface EMG Electrode Interface With Labview".
- ♦Titled " Design Of An Efficient LED Driver Using Non-Ideal Boost For Lighting Applications ".
- ♦Titled "Gain Scheduled Adaptive PI Controller for a Hybrid Three Tank".

5. Mr. B. Rajapandian, Associate Professor, has published the following papers

- ♦Titled "Smart Safety Device" in ICCEBS 2023 Titled "Smart Waste Segregator" in ICCEBS 2023
- ♦Titled "IoT Based Smart. Biometric Safety and Security in Modern Motorbikes" in ICCEBS 2023, Received best paper award

6. Dr.K.Anbumani , Associate Professor has published the following conference papers.

- ♦Titled "Integrating regenerative braking with advanced battery management for sustainable transportation".
- ♦Titled "Video face tracking for IoT big data using improved swin transformer based CSA Model".

7. Ms.K.Srividya, Associate Professor, has published the following paper Titled “AR
•Based Vehicle Diagnostic Tool” in the ICCEBS 2023
•Titled “Review on Microaneurysms Detection Using Image Processing” in ICCEBS 2023
•Titled “Smart Glasses for Disabled People ”in the ICCEBS 2023
•Titled A Systematic Approach on Waste Water Treatment Using Predictive Analysis “Motorbikes” in ICCEBS 2023
8. Mr.R.Premkumar, Associate Professor has published the following Titled
•“Navigating Emerging Technologies: A Comprehensive Review of 5G and the Evolving Landscape of 6G Communication”
•Titled “E-bike using wireless charging and split battery with renewable energy”
•Titled “Design and Implementation of Solar-Powered Bi-Directional Wireless Charging System for Electric Bicycle”
•Titled “A Multimodal Diagnostic Framework for Autism Spectrum Disorder Using Deep Learning- An In-Depth Exploration”
9. Ms.S.Premalatha, Assistant Professor has published the following conference papers.
•Titled “Skin cancer detection using python Tensor flow”. Titled
•“Portable DC mixer”.
•Titled “Contact-Less hand disinfection using Arduino and UV Lighting”.
•Titled “Water purifier with Clogged copper filter”. Titled
•“Sustainable Burlap Hygiene pads”.
10. Dr.T.Sathies Kumar, Assistant Professor, has published a the following Conference Paper
•Titled on “Contact-Less Hand Disinfection Using Arduino and UV Lighting” in ICCEBS 2023
•Titled on “Crop Selection and Cultivation using Machine Learning” in ICCEBS 2023-
•Titled on “Seed Sprinkling Agribot with Irrigation Processor “in ICCEBS 2023

11. Dr.S.Subha , Associate professor has published the following conference papers.
- Titled “IoT based health care monitoring system for disabled and senior citizens”.
 - Titled”Communication network rapid fault detection restoration system for reliable underground distribution OFC using modern technology”.
12. Ms. T. Tamilselvi, Associate professor, has published the following papers
- Titled “Optimization of Metal-Matrix Composites by W-EDM with CNT” in ICCEBS 2023
 - Titled “Efficient Approach for Epileptic Seizure Classification and Detection based on Genetic Algorithm with CNN-RNN Classifier” in ACCAI 2024
 - Titled “AUTONOMOUS BILLING CART FOR RETAIL STORE” in ICCEBS 2023
13. Mrs.R.Gayathri, Assistant Professor has published the following papers
- Titled “ IOT based real time water level flow consumption meter”. Titled “Efficient
 - Medical Image Compression Based on Wavelet Transform and Modified Gray Wolf Optimization”.
 - Titled “IoT Based Smart Biometric Safety and Security in Modern Motorbikes”.
 - Titled “Myocardial Analysis by Breathalyzer”. Titled “Water
 - Purifier with Clogged Copper Filter”.
 - Titled “Skin Cancer Detection Using Tensorflow Framework”.
 - Titled “Review on Microaneurysms Detection Using Image Processing”.
 - Titled “Sustainable Burlap Hygiene Pads”.
 - Titled “Dual Tone Multi Frequency for Home Automation”.

14. Mr.M.Subramanian, Assistant professor has published the following conference papers.

- ♦Titled "Multi-Class Classification of Skin Cancer Using Hybrid Inception-Residual Network".
- ♦Titled "Development of Interactive Boolean Algebra Lesson Using Unreal Engine 5".
- ♦Titled "IoT-Enhanced Quality Bread Assurance System(IQBAS)". Titled "AI Based Warehouse Management System".

15. Ms.N.Nithya Rani , Assistant professor has published the following conference papers.

- ♦Titled "Development of smart energy meter based on IoT".
- ♦Titled" A systematic approach on waste water treatment using predictive analysis".
- ♦Titled" Self charging in E-vehicle using 2 batteries"

PAPER PUBLICATIONS

- Dr Nalini M, Sriharipriyan P, Matheswaran P, Vikash K V, Sudharsan M, Abishek B, Praveen Ragavesh V, Sakthi Sabapathy Raja V K and Akash B V titled “Detection of anemia using fingernail image analysis for level estimation”.
- Dr Nalini M, Sandhya S, Shiwani S, Charumathi S and Maharajothi G titled “Smart traffic control system with ambulance detection using image processing.”.
- Ms Srividya K, Anand A K, Jayasree M, Sharmila M, Hamshini R R, Varsha B, Dhanusha Lakshmi S and Barani B titled “Smart Glasses for disabled people”.
- Ms. T. Tamilselvi, Assistant professor has filled the Patent Titled “Automated Underground Pipeline Monitoring System For Safety” published date (20/10/2023).
- Ms. Tamilselvi T, Assistant Professor along with Kavina R, Delhi Ganesh I, Varsha J, Karthick Kumar S, Sarabeshwaran N, Shefrin Jones B, Kawin E S, Sivaagash M has filled the Patent Titled “ PORTABLE MEDICARE MODULE FOR AUTOMOBILES” - published on 30/08/2024.
- Dr K Anbumani, Associate Professor along with Sivaramaguru M , , , Dhanush B, Pavithraa J, Janani has published the Patent Titled “ Regenerative braking system with battery management system”.
- Dr. S. Subha Associate Professor along with Nithyashree N, Janani D ,Sandeep Adithya K, Jayakash RB, Ravindhar T, Aakaash R Sudharsan, Jaya Surya B, Vishal M, Dhaneshwaran K, Akash S has published the Patent Titled “ IOT BASED HEALTH MONITORING SYSTEM ON A WHEELCHAIR”
- Rajapandian B, Associate Professor, with Akshaya D, Dilli Rani D, Divya N, Ahisri M, Rajeshwari N, Rupashri K R, Swathi K, Subhiksha V, Gayathri V, Sathya Priya M, Nikitha S, Nivedhitha S has Published the Patent Titled “SMART WASTE SEGREGATOR

- Mr. M Subramanian Assistant professor along with Dr. B Gayathri,Dr..Lalit Mohan Trivedi,Kolli Venkatrao,Thanga Anushya S,Dr.Amit Chauhan,S Praveena,Mr. Ganesh Hiranman Patil , Sounam Juneja, Vigneshwaran K , P Mani has published the patent titled "Artificial Intelligence and Machine Learning: a model for enhancing faculty performance reliability".
- Dr.S.Ramasamy, S Ram Prasath ,Dr Lalit Mohan Trivedi ,Kolli Venkatrao , Mr. Nikhil N. Yokar , Dr. Amit Chauhan , Subramanian M, Sonam Juneja , B Suresh Kumar , Dr B Gayathri , Vigneshwaran K , P Mani has published the patent titled "Advancing pedagogy through information and communication technology (ict): the potential of mentoring and mirrored practice".
- B.Rajapandian, Dr.T.Sathieskumar, Dr.G.Puthilibai, R.B.Jayakash ,S.Kirubakaran , K.Sandeep Adithya, has published the patent titled"IOT based smart biometric safety and security in modern motorbikes".
- B.Rajapandian has published a patent titled"Early plant idesease detection in agriculture by integrating IoT, Machine learning and deep learning techniques" on 4/10/2024.
- Dr. Uppada Sudhakar, Dr. Neeraj Kumar, Harish Pulluri, Ms. V Nagasri, Haziqul Yaquin, Shaikh Sameer Rafik, K. Renganathan, Dr. Satpalsing Devising Rajput, V.S.Jagadhish, Joshua Daniel S, S Muthurajan, Prof. Prashant Adsule has published the patent titled" Efficient charging strategies: grid-integrated pv-solar ev charging modes".
- Dr. R.Krishna Kumar, Gajanand Modi, S .Manivannan, Gargi Shekhar, V. Karthikeyan, Golamari Siva Reddy, Dr Sumanta Bhattacharya, Dr N Penchalaia, Dr P Phanindra Kumar Reddy, Saurabh Kumar Gupta, K Vijay Sankar , K Renganathan has published the patent titled" The role of machine learning and biotechnology in autonomous harvesting and data driven management for advancements in agriculture".

STUDENTS ACHIEVEMENTS

- M R Bharath Kumar (2024 Batch), an EIE student, led the rover team "Ad Astra" in the International Rover Challenge held at PSG iTech, Coimbatore, securing a Top 10 global position. This event held in Jan 2024. EIE students Keerthivasan R, Aravind Kumar V, Dhanashree V and Janani.D from the Batch 2020-2024 also participated in the event.



- M R Bharath Kumar (2024 Batch), an EIE student, led the rover team "Ad Astra & quot; in the University Rover Challenge conducted by the MARS Society in Utah, USA, and emerged as one of the Top 38 teams in the finals held in January 2024. This team is also supported by EIE Student Aravind Kumar.V of the Batch 2020-2024.



- EIE Student K. Sandeep Adithya (2025 Batch) has successfully registered a startup company named “DataReef Technologies,” which specializes in developing defense products in the domains of Electronics and Extended Reality (XR). The company is registered under Udyam MSME as of June 2023.
- Bharath Kumar (2024 Batch) and Kirubakaran (2025 Batch) have awarded with the 40+ member Rover Development Team from SaiRam Institutions, Chennai, on securing the prestigious second prize in the ISRO Robotics Challenge - URSC (Let's Build a Space Robot). This achievement is a testament to the power of passion, persistence, and teamwork & Receiving this honor from the Hon'ble President of India, Smt. Droupadi Murmu, and Secretary, DOS/Chairman, ISRO, Dr. S. Somnath, on National Space Day 2024, is a monumental recognition of your hard work, dedication, and innovation.
- You have made your institution proud and inspired others to reach for the stars.












**DEPARTMENT OF
ELECTRONICS AND INSTRUMENTATION
ENGINEERING**



**Sai RAM
ENGINEERING COLLEGE**
An Autonomous Institution
West Tambaram, Chennai - 44
www.sairam.edu.in

**DEPARTMENT OF
ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

Congratulations





Bharath Kumar M R
(2020-2024) Alumni Batch



Kirubakaran S
(2021-2025) Senior Grade

to 40+ Members Rover Development Team students on winning the second prize in the



IRoC-U
ISRO Robotics Challenge - URSC

On the occasion of
National Space Day

Mentored by:
Dr.K.Renganathan
HOD/EIE

Ms.N.Nithya Rani Digital Ambassador AP/EIE	Dr.K.Renganathan HOD / EIE	Dr.J.Raja Principal / SEC	Dr.Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions
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- Our students from the Department of Electronics and Instrumentation Engineering have turned their innovative ideas into successful entrepreneurial ventures.

Sri SAIRAM ENGINEERING COLLEGE
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DEPARTMENT OF
**ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

**UNLEASH
THE POTENTIAL**

05 STUDENT ENTREPRENEURS

Mr. SANDEEP ADITHYA K Founder & MD Data Reef Technologies	Mr. BHARATH KUMAR M R Founder & CEO AD Astra	Mr. GOWTHAM RAJ D Founder & CEO SalesQueen Software Solutions
Ms. ANUSWETHA ACHUTHAN Founder & CEO Jaass Packaging Industries	Mr. AGRAGESH RAMANI Co-Founder & CEO AcrannoLife Genomics	

TNEA CODE
SEC 1419
SIT 1324

98848 45678

Dr. Sai Prakash LeoMuthu
Chairman & CEO

- Janani and Nithyasree, (2024 batch) of the Electronics and Instrumentation Engineering Department, awarded the first place in Inspirathon 1.0! Their dedication to creating sustainable solutions aligned with Sairam SDG Sustainable Development Goals is truly inspiring.



- Jayakash R B, Hari Rathin M, Kirubakaran S and Harikrishna S (2025 Batch) from Sri Sairam Engineering College has won the runner title for the project titled BIOMETRIC_HYBRID SMART MOTOTBIKE under sdg goal number 11 in sairam sdg innovation 2.0.



- Delhi Ganesh I, Kavina R , Varsha J, Karthick Kumar S (2025 Batch) have participated in Innovathon 2.0 and successfully won 2nd prize in goal 9 and made all of us proud.



- Logaadharshini G, Shruthi P D and Suveka S (2025 Batch) have participated in Innovathon 2.0 and successfully won 3rd prize in goal 2 and made all of us proud.



- Nerai Oli S, Hari Kumaran P and Dharshan R (2025 Batch) have participated in Solveathon 3.0 and successfully won 1st prize in goal 10 and made all of us proud.



- Krithika.N and Deepika.C (2025 Batch) from Sri Sairam Engineering has won the best paper award for the paper “EMERGENCY ALERT SYSTEM” at ICRTCC 2024 on 23th march 2024.



- Karthick Kumar S, Varsha J, Delhi Ganesh I and Kavina R (2025 Batch) Claimed 1st place in the project expo in the event of FAiSCA 2024 a national level technical symposium conducted by department of Electrical and Electronics Engineering of New Prince Shri Bhavani College of Engineering and Technology.



- Hari Rathin.M, Pon Prakash.K, Mithrran.S, Jagadish.K, Ahisri.M, Suveka.S, Swathi.K, Deepika.C, Rupashri.K.R (2025 Batch) from Sri SaiRam Engineering backed up the overall championship in the Department of Computer Science Engineering Symposium Nigal thiral -Technokratz, at Anand institute of higher technology.



- Sriharipriyan P, Matheswaran P and Vikash K V (2025 Batch) Claimed 2st place in the project expo in the event of ELECTRA2024 a national level technical symposium conducted by department of Electrical and Electronics Engineering of Sri Sairam Institute of Technology.



Teams who had Selected for HACK4PURPOSE Top 100 winning (2025 Batch).

- ♦Sarankumar S, Jaya Sathya J, Dhevadharshini M and Jeevitha D . Anand A K,
- ♦Jayasree M, Sharmila M and Hamshini R R.



- ♦Krithika . N and Deepika .C (2025 Batch) from Sri Sairam Engineering has won First prize on Hackathon event in precision 23.



- We are delighted to announce that Ms. Sreevaragi and Mr. Rakesh, (2024 Batch) two outstanding students from our final year, were awarded the prestigious Best Student Volunteer Awards 2023 during the IEEE Foundation Day celebration on February 16, 2024.



- Eniyan .A (2025 Batch) From Sri SaiRam Engineering College has secured First Prize in Standard parliament event of MU BIS 2.0.
- Bharath kumar.M.R EIE (2024 Batch) has been a student member & Intern(electrical & electronics) of sri saiRam Techno Incubation Centre.
- Kavina.R (2025 Batch) EIE have won 1st place in standards parliament event of MU BIS 2.0.
- Anand.A.K (2025 Batch) EIE have won 1st place in BIS Paper Presentation.
- Azhagu Meenal PS (2025 Batch) has participated in South zone NSS Pre-Republic day parade.
- Azhagu Meenal PS (2025 Batch) has participated in State Republic day Parade.
- Varsha J (2025 Batch) has Won 1st place in standards parliament event of MU BIS 2.0.
- EniyanA (2025 Batch) has Won 1st place in standards parliament event of MU BIS 2.0 (GD).
- Sathya Sai Ram (2025 Batch) have won 1ST PRIZE SMATH QUIZ. Jayakash R B
- (2025 Batch) have won 2nd place in Project Presentation - BIS Club.
- Kiruthika S S (2025 Batch) has participated Student Coordinator of NSS.

- Rajeswari N, (2025 Batch) from the Final Year of the Electronics and Instrumentation Engineering is shining bright as she receives the Best Cadet Award from DDG Commodore Arul Kumar Rastogi at St. Bede Anglo Indian Higher Secondary School, Santhome!



- Sarankumar S (2025 Batch), Kawin E.S , Sabarishwaran S V , Aadhi Alangaram R (2026 Batch) of Sri SaiRam Engineering college were won the Bronze Medal in BasketBall in CM Trophy



- LFC/ A K Anand (2025 Batch) has successfully passed the certificate 'B' examination in Grade B held on 2023 under the authority of Ministry Of Defence, GOVT. Of India.

राष्ट्रीय कैडेट कोर
NATIONAL CADET CORPS

DGNCC/TNP&AN/B/2023/10937

प्रमाण पत्र 'बी'
CERTIFICATE 'B'

सं. No. TN21SDF968510 रैंक Rank FIC

नाम Name A K ANAND सुपुत्र / सुपुत्री Son/Daughter of KALANIDHI A

यूनिट Unit 1 (TN) AIR SQN NCC जन्म तिथि Date of Birth 26 Aug 2003

राष्ट्रीय कैडेट कोर निदेशालय
NCC Directorate TAMILNADU, PUDUCHERRY & ANDAMAN NICOBAR

प्रमाणित किया जाता है कि उपरलिखित कैडेट ने रक्षा मंत्रालय, भारत सरकार के प्राधिकार के अधीन सन् 2023 में हुई प्रमाणपत्र 'बी' परीक्षा में पास कर ली है।
This is to certify that the above mentioned Cadet has passed the Certificate 'B' Examination in B grade held in 2023 under the authority of Ministry of Defence, Government of India.

TN, P & AN/B Cert / Air

क. सं. Ser. No. 09935

स्थान Place 09000010

दिनांक Date 1 DEC 2023

(PG Prabhu)
Group Captain
Group Commander
NCC Directorate TNP&AN/B
ग्रुप कमांडर, राष्ट्रीय कैडेट कोर
Group Commander, National Cadet Corps

- LFC/ A K Anand (2025 Batch) has successfully passed the certificate 'C' examination in Grade A held on 2024 under the authority of Ministry Of Defence, GOVT. Of India.

राष्ट्रीय कैडेट कोर
NATIONAL CADET CORPS

DGNCC/TNP&AN/C/2024/10854

प्रमाण पत्र 'सी'
CERTIFICATE 'C'

सं. No. TN21SDF968510 रैंक Rank LFC

नाम Name A K ANAND सुपुत्र / सुपुत्री Son/Daughter of KALANIDHI A

यूनिट Unit 1 (TN) AIR SQN NCC जन्म तिथि Date of Birth 26 Aug 2003

राष्ट्रीय कैडेट कोर निदेशालय
NCC Directorate TAMILNADU, PUDUCHERRY & ANDAMAN NICOBAR

प्रमाणित किया जाता है कि उपरलिखित कैडेट ने रक्षा मंत्रालय, भारत सरकार के प्राधिकार के अधीन सन् 2024 में हुई प्रमाणपत्र 'सी' परीक्षा में पास कर ली है।
This is to certify that the above mentioned Cadet has passed the Certificate 'C' Examination in A Grade held in 2024 under the authority of Ministry of Defence, Government of India.

क. सं. Ser. No. 100008

स्थान Place 29 AUG 2024

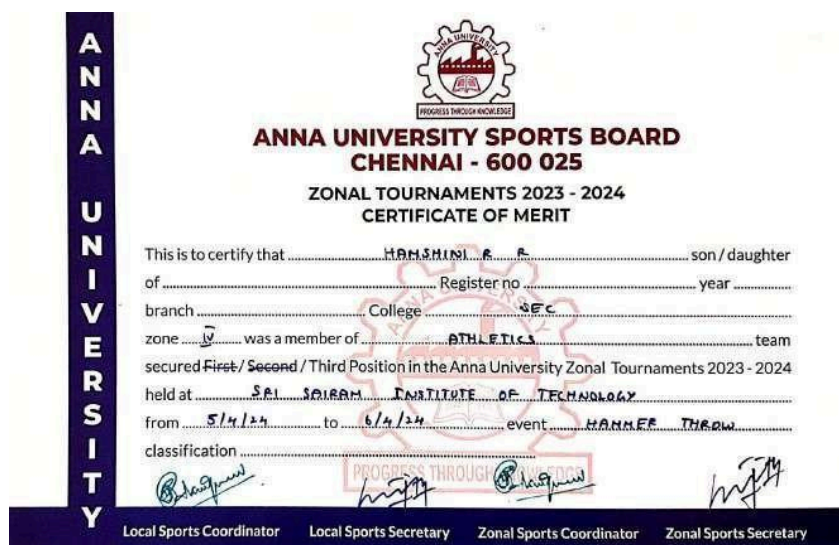
दिनांक Date

(JN Thangaraj)
Group Captain
Group Commander
NCC Directorate TNP&AN/C
ग्रुप कमांडर, राष्ट्रीय कैडेट कोर
Group Commander, National Cadet Corps

- ◆NSS volunteers from Sri SaiRam Engineering College for launching the IEEE SIGHT group, paving the way for innovative solutions to global humanitarian challenges.



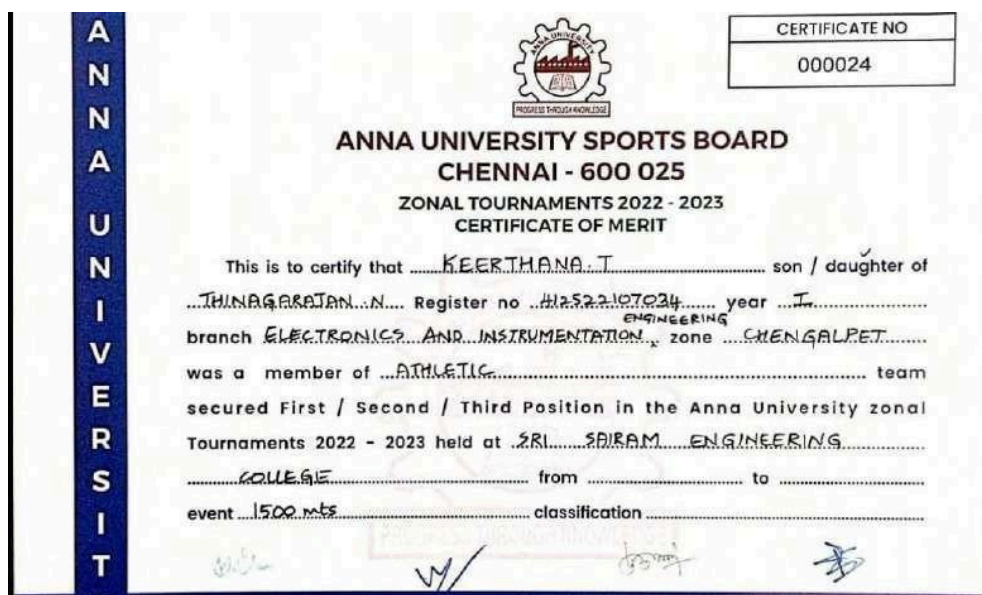
- ◆Sreevaragi.S (2025 Batch) EIE from Sri Sairam Engineering have been appreciated for being a coordinator in NSS.
- ◆Hamshini.R.R (2025 Batch) from Sri Sairam Engineering has secured Third place in Hammer Throw , A zonal level tournament by Anna University



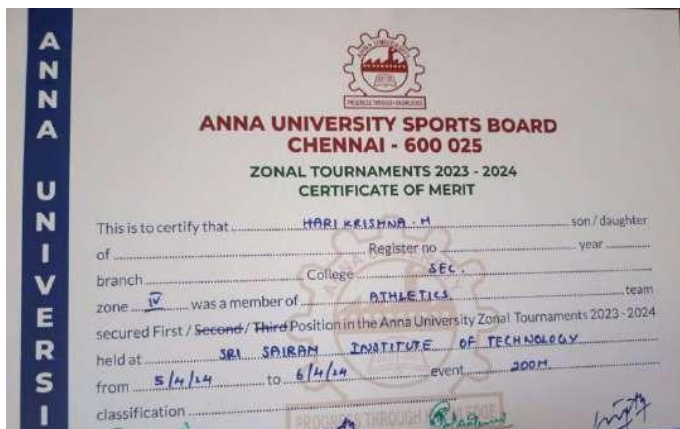
- Maharajothi (2025 Batch) from Sri Sairam Engineering has secured first position in high jump, A zonal level tournament by Anna University



- Keerthana .T (2026 Batch) from Sri Sairam Engineering has secured first postion in Athelet 1500m A zonal level tournament by Anna University



- Hari Krishna M (2025 Batch) from Sri SaiRam Engineering college has secured first position in Athletics 100m, 200m and Relay 4X100 A zonal level tournament by Anna University.
- Special mention to Hari Krishna (2025 Batch) from Sri SaiRam Engineering college for leading the Torchlight, and for his remarkable victories in the 100 meters and 200 meters races, setting a shining example for all. He Represented all India University 2023- 24 and had an Excellence performance award.



FORM - III (For representing University in any one of the recognized Games / Sports)		
Certificate No.	Aadhaar No.	Game
230063	7812 0578 7592	Athletics (M) South Zone
Certificate Issued to Meritorious Sports Persons for Employment		
Certified that Mr. HARIKRISHNA M		
Register No.	Son of	Thiru. MAHENDRAN T & Tmt. ILAMATHI M
412521107022		
Year & Branch of Study	College	Sri SaiRam Engineering College, Chennai
III - BE (EIE)		
College Code	was a Member of Anna University	Athletics (M)
4125		
Team and Participated in South Zone Inter - University Tournaments, Organised by Tamil Nadu Physical Education and Sports University, Chennai, during the period 29.12.2023 to 01.01.2024		
Position obtained in the above Tournament(s) NIL		
The Certificate is being given on the basis of records available in the office of Anna University Sports Board, Anna University, Chennai - 600 025.		
Place	Chennai - 600 025	Signature
Date	08.08.2024	Name
Name of the University	Anna University, Chennai	Designation & Seal
		Dr. D. BALANARAYAN M.A. (H), B.A. (H), P.H.D., Secretary & Deputy Director of Physical Education, Anna University Sports Board, ANNA UNIVERSITY CHENNAI 600 025


- Amrudha .R (2026 Batch) from EIE-B have been appreciated for her contribution towards NSS in media team and volunteering for the past year. She also received appreciation for acting as student coordinator in the NDLI club for seven previous events.



- Anitha . R (2026 Batch) from EIE A sec claimed the 9th position in the Sai marathon, showing exceptional endurance and perseverance.





- P Azhagu Meenal (2025 Batch) from Sri SaiRam Engineering college . who Marched in front of the governor and chief minister of Tamil Nadu on 26 Jan 2024 and won prestigious state award for NSS.




SAIRAM ENGINEERING COLLEGE

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ENGINEERING**




Celebration of Success



AZHAGU MEENAL P
EIE IV - B


Marched in front of the Governor and Chief Minister of Tamil Nadu on 26 Jan 2024 and won Prestigious State Award for NSS.



Dr.K.Renganathan
HOD / EIE

Dr J Raja
Principal / SEC

Dr.Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions



- Our Kabadi team triumphed with a well-deserved first-place finish, demonstrating strength, strategy, and determination.



- ♦Yugesh R (2027 Batch) from EIE Football Runner up , Relay 4X100 m Third position , Athelet 800 m Second position in the Sai marathon, showing exceptional endurance and perseverance.



NPTEL Achievers

NAME	YEAR/SE C	COURSE	SCORE (%)
GOLD			
ABDUL AZEEZ P	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	94
JAGADISH K	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	93
KAARTHICA GOPI	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	93
KAVINA R	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	92
CHARUMATHI S	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	91
SATHYA SAI RAM S	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	91
AGALYA M	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	90

NAME	YEAR/SEC	COURSE	SCORE (%)
SILVER			
JAYASREE M	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	82
SHANMUHAVARSHINI B	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	82
PAVITHRAA J	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	81
DHANUSH B	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	80
ARCHANA BS	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	79
GANESH S	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	79
JANANI M S	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	78
RANJITHA V	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	79
KARTHICK KUMAR S	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	78
KIRTHIKA V	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	78

NAME	YEAR/SEC	COURSE	SCORE (%)
SILVER			
AZHAGU MEENAL P	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	88
HARIHARAN R	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	88
SHIWANI S	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	88
ABISHREE A	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	85
HARSHINI S	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	85
SANDEEP ADITHYA K	IV A	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	85
AHISHREE M	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	83
SUWEKA S	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	83
SWATHI K	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	83
VIJAYALAKSHMI R	IV B	FUZZY SETS, LOGIC AND SYSTEMS & APPLICATIONS	83

INDUSTRIAL VISITS

Sri SaiRam Engineering, EIE Department has organized an industrial visit to CET power solutions, Chennai on:

- ♦08.04.2024 for current Final year A accompanied by K.Madhana Mohan, Asst. Prof.
- ♦09.04.2024 for current Final year B accompanied by Dr.T.Sathies Kumar, Assoc. Prof.



Sri SaiRam Engineering, EIE Department has organized an industrial visit to Hatsun Agro Product Limited, Kancheepuram on :

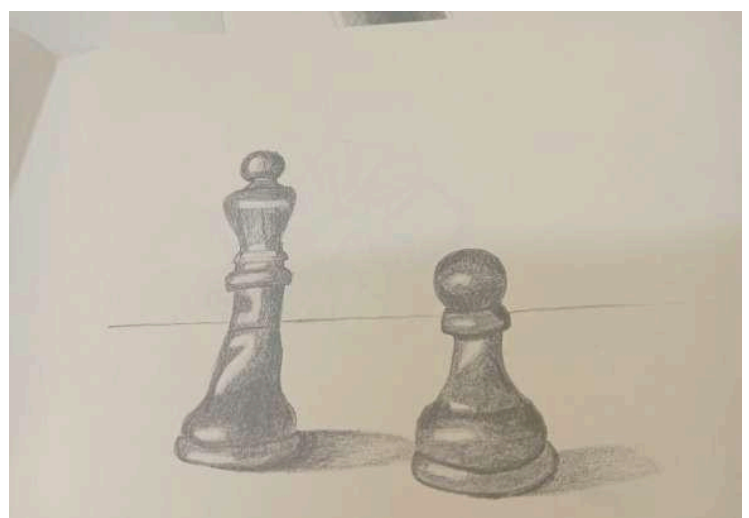
- ♦16.02.2024 for current III year B accompanied by Mr.B.Rajapandian, Assoc. Prof., Ms.R.Gayathiri, Assoc. Prof.
- ♦16.04.2024 for current III year A accompanied by Mr.M.Subramanian, Asst. Prof., Ms.K.Srividya, Assoc. Prof.

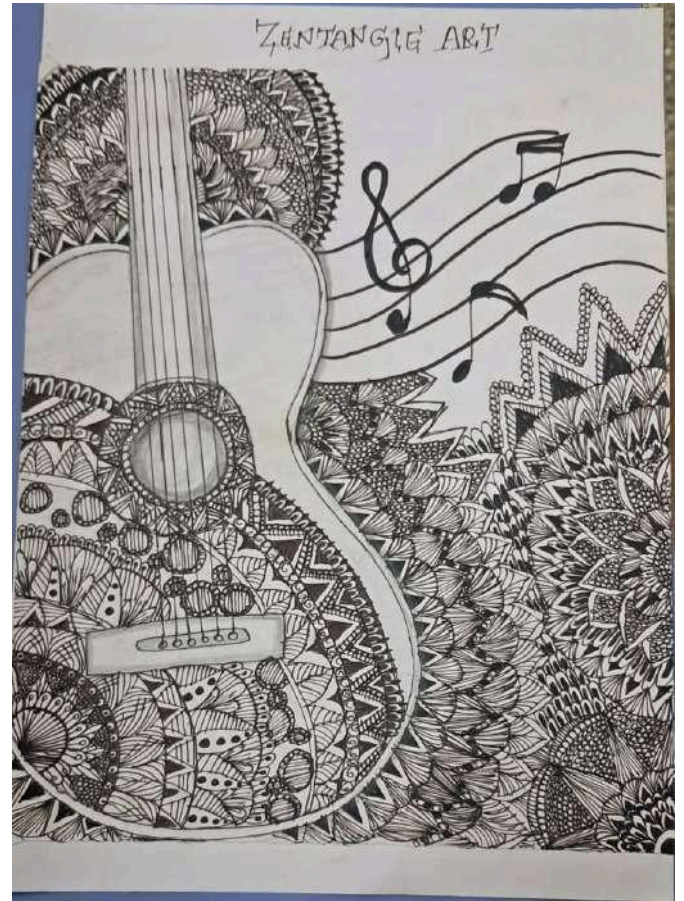


DRAWINGS

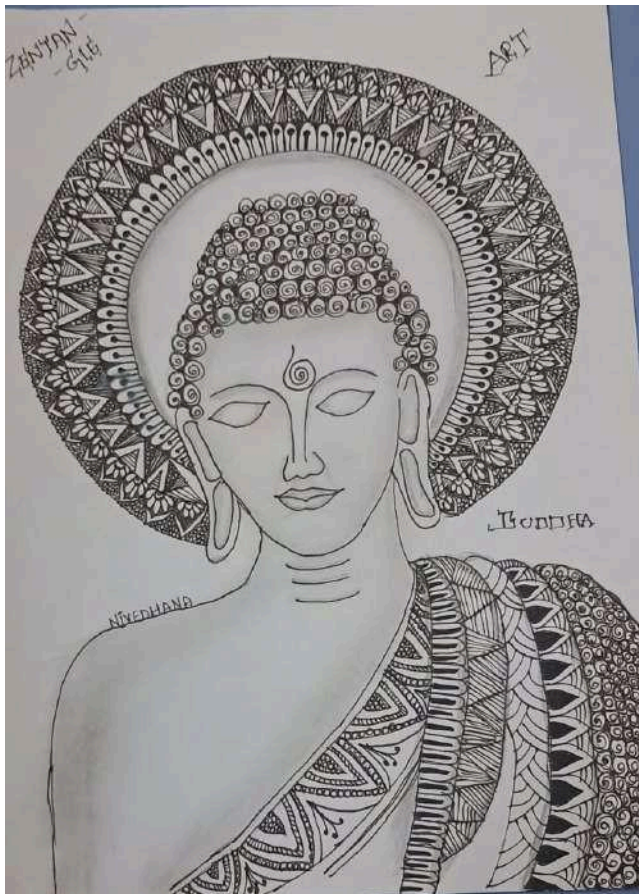


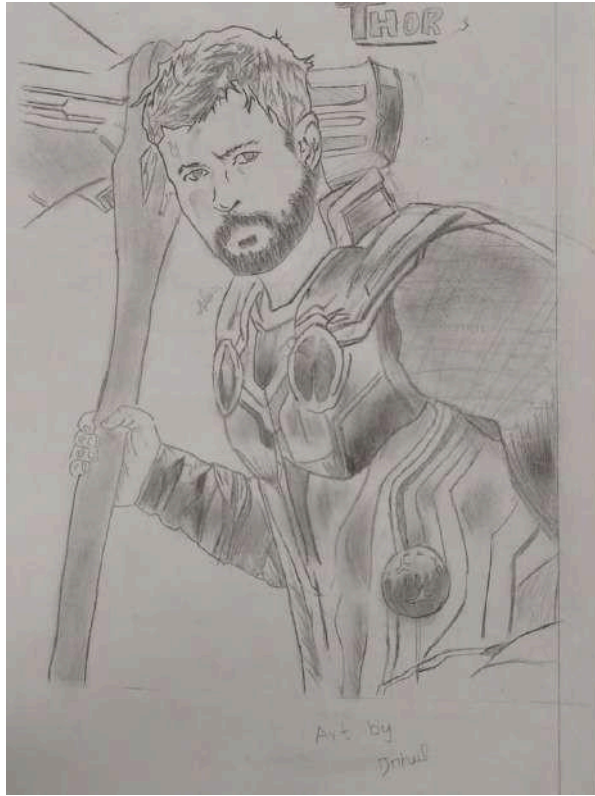
Nagammai EIE III
year





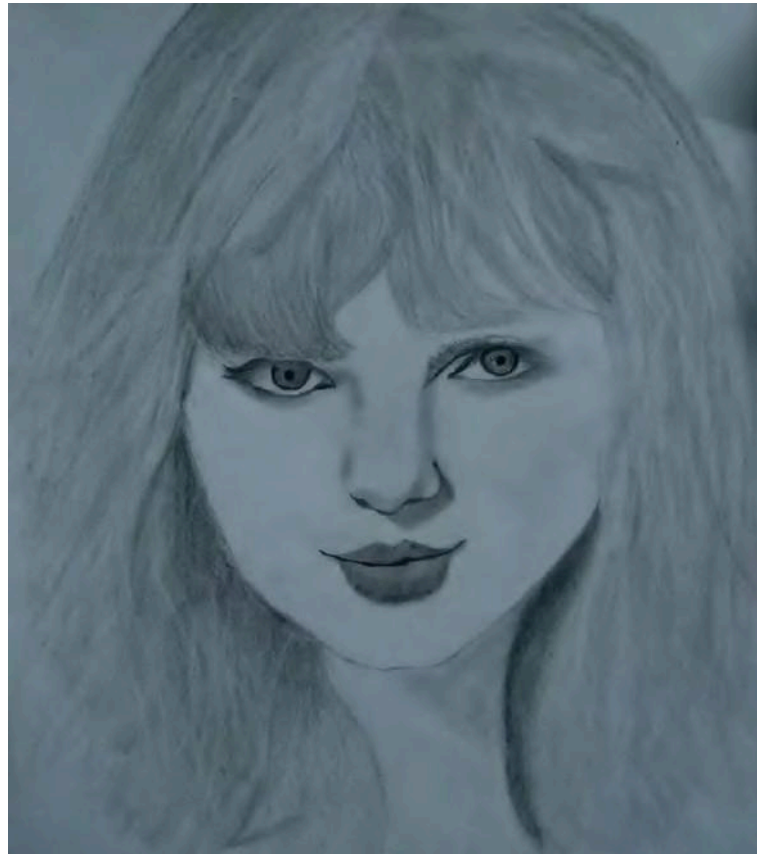
Nivedhana J EIE III
year



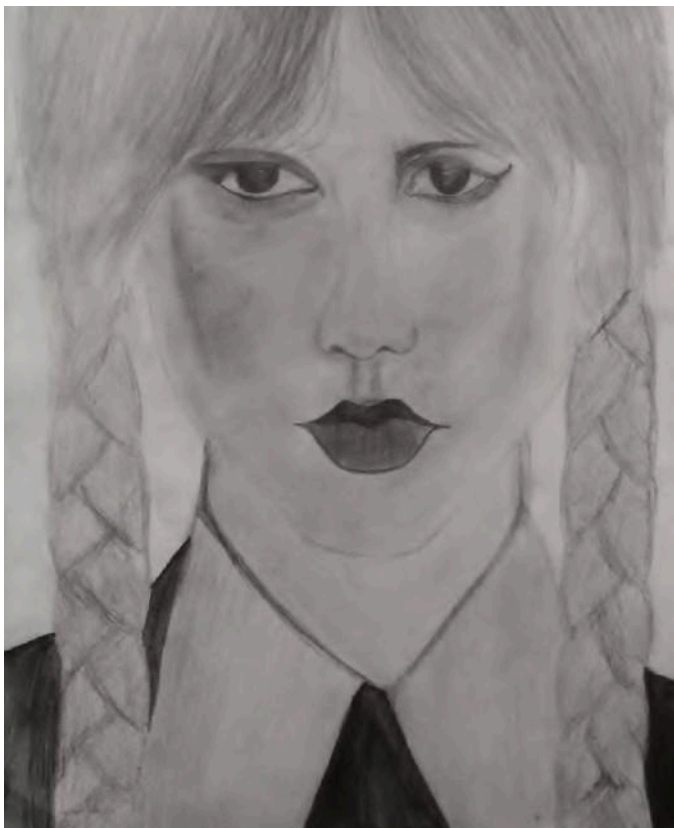


Shree Rahul Aadhitya EIE III
year



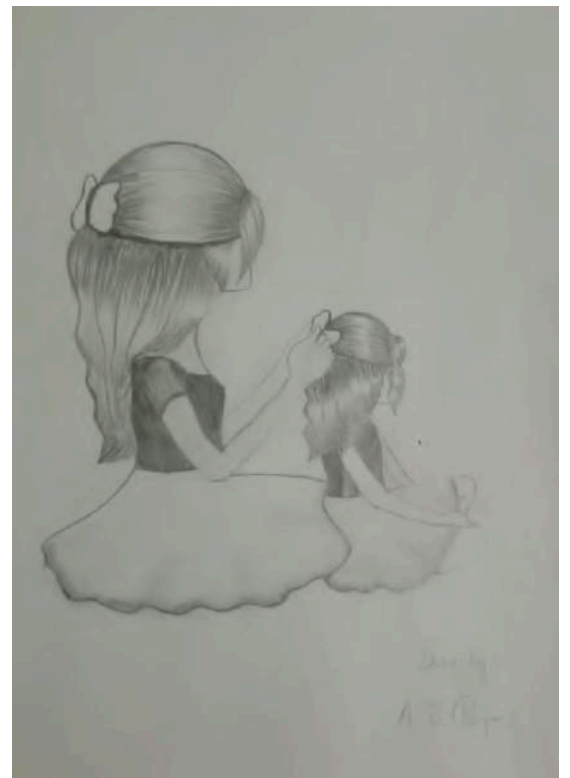
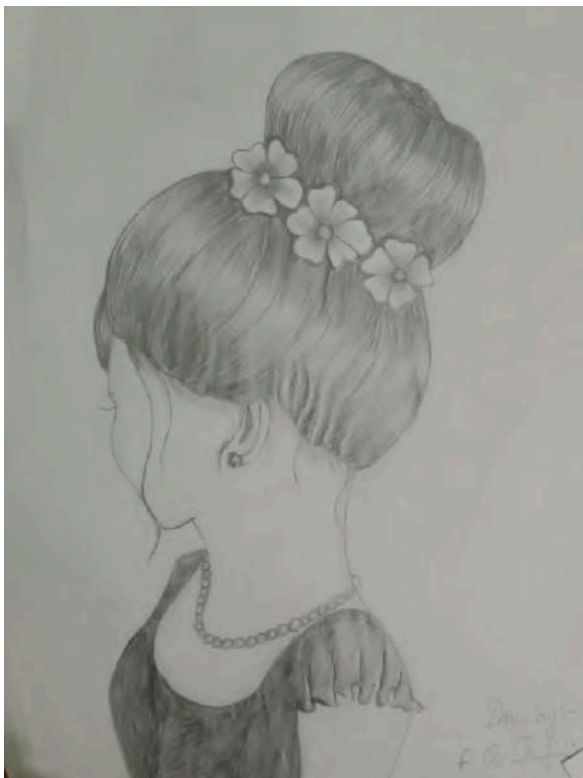


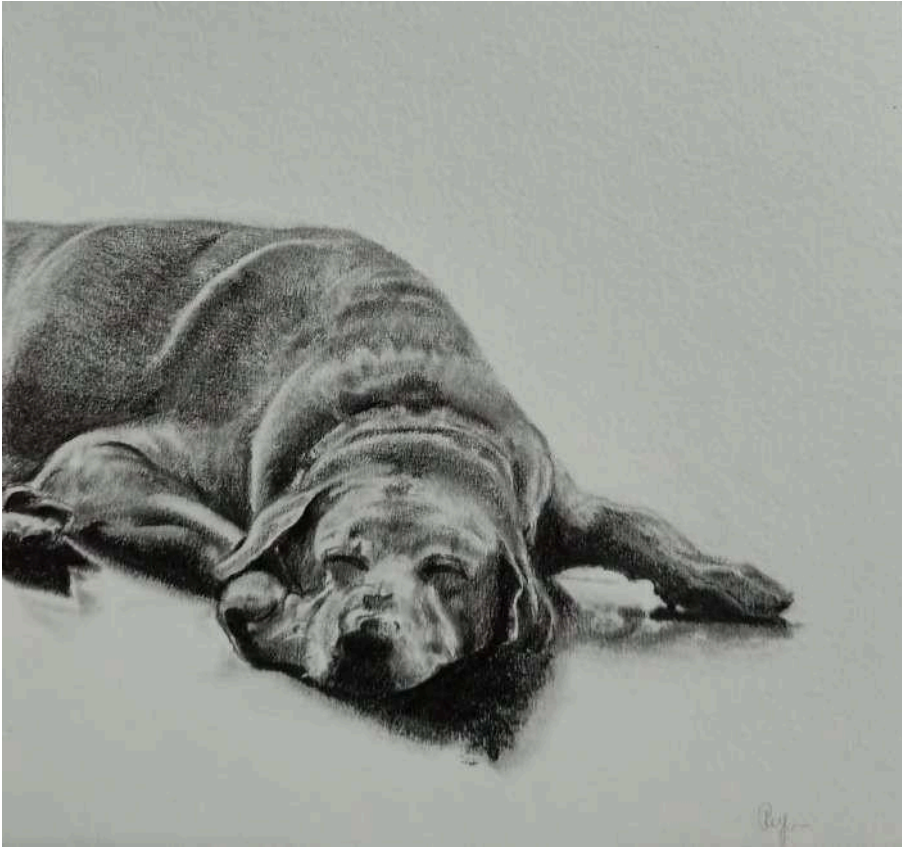
Sathya Priya M EIE III
year





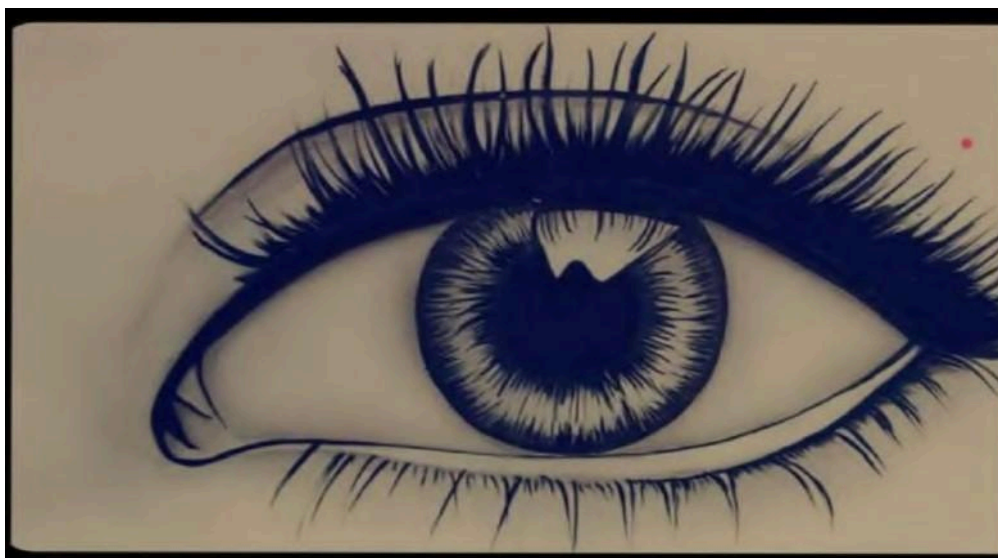
Pooja A R EIE III
year



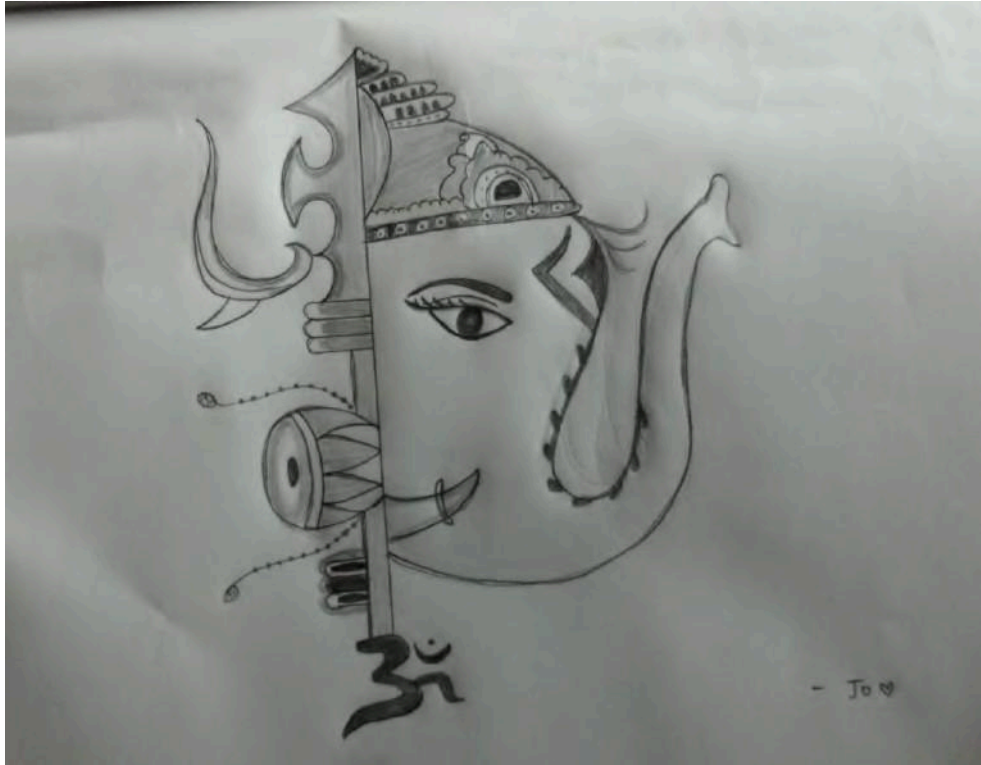


Rupashri K EIE IV
year





Sona A EIE IV
year



Jyolsna M EIE IV
year

POETRY

•வா வ ட பல இபமக ேமகத டப ட மைற்த யுற
ெவ்ந லு ேபா க களி யலநபடாம இயுற .காத ய
அ்த ேமகமக நகய வைர, அத ட ட ; லைட ஆன்த
அழகாக இயுற அ்த ந லைவநேபால!!!

•எத தபாராம ஏ)ப{ சநல ச்த நயக ,வா வ சந ர லைஇண்த
பயணிநேபா்த என ந ைனற ேபா ,வா நா
வ மறக பயாத, இழக ணியாத உறவாக மாறநவ {க
றன்த.

•என ேசாகேமா, ப ரசைனேயா இவ்தகேளா{ இயுற ேபா
அ இய்த இடமறநயா மைற்த ேபா . இரத ப்த
இ லா ேகாதர-சேகாதரி ஆக றன்த. அநப என உறு அ ?
ேவெறன, நியதா!!!

•உ)றா்த உறவ னேரா{ ஒறாக ேம)கொ
பயணை்தவ ட மனத)றிய ஒயவேளா{ நடற சந
ர ட &க தோன!

•த ன எத தபா்த ந)க ேற, ஏனா வ ழிகளிட இய்த வ
லக ேய இயுறக றாம!

•சந வயத நா க)ற அஆஇஈ... வா நா வ மறவா இயநப
நேபா ஒயவ்த நா ைவக ற அபான
இ த ட & உ ளைவர ெந்சநனி ந ைலத யுற !

Hariharan EIE

IV Yearr

